



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

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Approved by AICTE New Delhi and Affiliated to VTU Belagavi

Summary

Activity under MOU

A.Y 2021-22

Sl.No	Name of the Collaborating Agency /MOU	Activity	Academic Year
1.	NIT Warangal	Seminar on academics and research collaborations	2021-22
2.	Kalinga University	workshop on "Role of IQAC in achieving quality and excellence in Higher Education by Promoting Research and Innovation" Nominated a faculty member as member of Research Advisory Committee of Kalinga University through MoU	2021-22
3.	KG Mech Electro-Mechanical Pvt Ltd	Student Workshop on Electrical System in Construction Industry 05-02-2022 to 07-02-2022	2021-22
4.	Semicore Technologies	One month Internship Training Program for Students of EEE Dept.	2021-22
5.	Kritika technical academy, Nagpur	3D Printing Modelling & Assembly Disassembly of AC motors, D.C motors and Alternators 13-12-2021 to 14-12-2021	2021-22
6.	UTAR Malaysia	International Conference on 28-12-2021	2021-22
7.	UTP Malaysia	Virtual Internship 01-02-22 to 30-06-22, Joint Research Publication in SCI indexed Journal	2021-22
8.	Unacademy	Career Guidance Online Class 12-07-2021	2021-22
9.	Knowza Consulting and Training Solutions	Soft skills training 07-08-21 to 07-09-21	2021-22
10.	EFY-Certified skill development centre	Hands on Workshop on "Insight into Electronic Circuits" on 28-10-21	2021-22

PRINCIPAL

Guru Nanak Dev Engineering College, Bidar

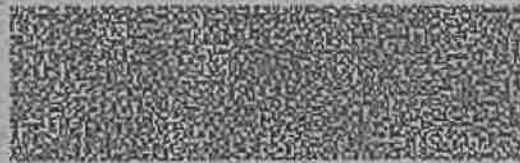
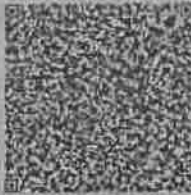


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Government of Karnataka

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MEMORANDUM OF UNDERSTANDING

BETWEEN

NATIONAL INSTITUTE OF TECHNOLOGY, WARANGAL

AND

GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at www.shoestamp.com or using e-Stamp Mobile App of Stock Holding.
2. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
3. The onus of checking the legitimacy is on the users of the certificate.
4. In case of any discrepancy please inform the Competent Authority.

This memorandum of understanding is entered on 07-04-2022 by and between the National Institute of Technology Warangal 506004, Telangana, an Institute of National Importance under the Ministry of Education (MoE), Government of India, with its registered office at Warangal 506004, Telangana (hereafter referred as NITW) of the first part

And

Guru Nanak Dev Engineering College, Bidar, a premier center of Technical Education, was established in August, 1980 by the Prabandhak Committee, Gurudwara Sri Nanak Jhira Saheb, Bidar as per the Govt. of Karnataka Order No. ED 150 TEC 79, dated 8th August, 1980 and affiliated to Visvesvaraya Technological University, Belagavi. GNDEC approved by All India Council for Technical Education (AICTE), New Delhi and was accredited twice by National Board of Accreditation (N.B.A.), New Delhi during the year 2005 and 2009. (hereafter referred to as GNDEC) of the second part.

1.0 INTRODUCTION

In order to establish academic and scientific relationships, promote joint Research and Consultancy activities, and extend mutual support in Postgraduate and Doctoral programs, NITW and GNDEC agree to establish this Memorandum of Understanding (MOU).

2.0 PREAMBLE

NITW has been recognized as Institute of National Importance by the Government of India. Formerly NITW was well known as Regional Engineering College (REC), Warangal first of its kind institutes established in 1959. In 2002, the College was renamed as National Institute of Technology Warangal, and in 2007 it was given the status of Institute of National Importance. NITW offers graduate, postgraduate and doctoral programs in different disciplines, contributing to the Nation by developing qualified human resources.



Established in 1980, GNDECB has come a long way since its inception and has carved a niche for itself in the corporate world. It offers six under Graduate, three Post Graduate programs and five R&D centers. GNDECB emphasizes collaborative learning between Industry and academia as a means of reinforcing its curriculum with practical experience relevant to industry needs.

3. THE SCOPE OF MOU

The scope of the collaboration in academic and research activities in this MOU include the following categories

- a) Academic and research collaborations in the mutually interested areas.
- b) Academic interactions and support lead to higher qualifications.
- c) Exchange of academic and scientific information.
- d) Joint Project proposals to be submitted to various funding agencies.
- e) Joint Publications in various Scopus/SC Indexed Journals.
- f) Use of Laboratory facilities at NIT Warangal for the conduct of combined research.
- g) Sharing of Knowledge by organizing Workshops/ Seminars/ Faculty Development Programs in advanced technology areas.
- h) Allowing the faculty of GNDECB to pursue PhD on a part-time/full-time basis at NITW.
- i) Students of GNDECB to do summer Internships with faculty at NITW and remote internships and support for Technology Competition.
- j) Faculty Summer Research Fellowship: Faculty of GNDECB to work with the faculty at NIT Warangal.
- k) Collaboration in Joint Societal Impact Projects.

3. (a) ACADEMIC AND RESEARCH COLLABORATIONS IN THE MUTUALLY INTERESTED AREAS

- a) Faculty from NITW and GNDECB can engage in collaborative research work, support and help each other in carrying research projects and Joint publications/ patents.



- c) In the event of termination of MOU, for whatever the reason, both parties agree to complete the committed joint projects, joint conferences, PhD guidance during the notice period and beyond.

6. MOU MODIFICATION OR AMENDMENT

- a) Any article or clause of this MOU can be removed or modified, or any amendment can be included with the combined agreement from GNDECB and NITW.
- b) This MOU can be reviewed and revised by both parties at any point in time if required on mutual agreement.

7. SEPARATE AGREEMENTS

Each activity mentioned in this MOU is governed by terms and conditions agreed by both parties. If required, both parties can have an additional case-specific agreement by negotiating and mutual agreement by signing a separate agreement or amending a clause to the existing MOU.

8. ARBITRATION

- a) If any dispute arises from the agreement, the appropriate authorities from GNDECB and NITW can discuss and resolve the dispute in good faith.
- b) If any dispute, issue, or controversy arising from this agreement is not resolved with discussions and mutual understanding within 3 months, an arbitrator can be appointed by mutual consent to solve the issue per the governing Indian laws.

9. GENERAL

- a) All activities developed under this MOU shall respect and uphold the corresponding norms, traditions, rules and regulations of collaborating parties.



- b) The parties hereby agree to execute the MOU within the aforementioned scope of MOU.

Signed: N.V.

Prof. N.V. Ramana Rao
Director,
National Institute of Technology
Warangal, India



Signed: Ravi

Dr. Ravindra Eklarker
Principal,
Guru Nanak Dev Engineering College,
Bidar, Karnataka, India.
PRINCIPAL
Guru Nanak Dev Engg. College
BIDAR

Witnesses from NIT Warangal

1. CSRK Prasad
Prof. CSRK Prasad
Advisor (CRRM)

2. Sri S Goverdhan Rao
Sri S Goverdhan Rao
Registrar

Witnesses from GNDEC Bidar

1. Dr. Md. Bakhar
1. Dr. Md. Bakhar,
HOD of E&CE Dept.
G.N.D Engineering College
BIDAR-585 403. (K.S.)

2. Dr. Veerendra Dakulagi
2. Dr. Veerendra Dakulagi
Dean (R&D)
Dean (R&D)
Guru Nanak Dev Engg. College
BIDAR-585403



GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

Department of Electronics and Communication Engineering Department

ACADEMIC YEAR: 2018-2019

Date: 09-05-2022

Circular

All the faculties and students are hereby informed to attend online seminar on “**Academics and Research Collaborations under MOU of GNDEC Bidar and NIT Warangal**” on 12-05-2022 at 10.15 AM without fail. Attendance will be recorded.

***Note:** The below is Google Meet scheduled link:

meet.google.com/fhj-cbea-czr


Seminar Incharge


HOD


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Guru Nanak Dev Engg. College Bidar



GURU NANAK DEV ENGINEERING COLLEGE, BIDAR.
E&CE DEPARTMENT

To,
Prof. N V Ramana Rao,
Director,
NIT Warrangal,
Telangana-506004

Date: 04.05.2022

Subject: Invitation to deliver seminar on “Academics and Research Collaborations under MOU of GNDEC Bidar and NIT Warangal” to students and faculties.

Dear Sir,

With reference to the above subject, I undersigned Professor and HOD, Department of Electronics and Communication Engineering, GNDEC B, cordially invite you to deliver seminar on “Academics and Research Collaborations under MOU of GNDEC Bidar and NIT Warangal” to students and faculties dated on 12.05.2022. We request you to accept our invitation. Kindly accept this letter of request and acknowledge the same as earliest as possible.

Thanking you,

Yours Faithfully


(Dr. Md Bakhar)


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GURU NANAK DEV ENGINEERING COLLEGE, BIDAR.
E&CE DEPARTMENT

Date: 9.05.2022

From,
Prof. N V Ramana Rao,
Director,
NIT Warrangal,
Telangana-506004

To,
Dr. Md. Bakhar.
HOD, Dept of ECE,
GNDEC, Bidar.

Dear Sir,

I am happy to accept your invitation to attend online seminar on “**Academics and Research Collaborations under MOU of GNDEC Bidar and NIT Warangal**”
Dated:12.05.2022.

Thanking you,

Yours Faithfully

(Prof. N V Ramana Rao)

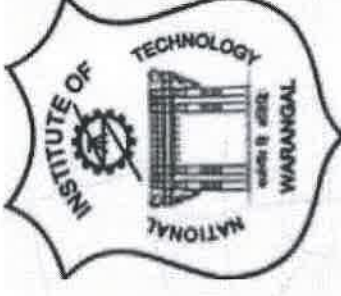

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GURUNANAK DEV ENGINEERING COLLEGE, BIDAR

(Affiliated to VTU Belagavi, Approved by AICTE New Delhi, and ISO 9001:2005)

Department of Electronics and Communication Engineering



Seminar

on

**“Academics and Research
Collaborations under MOU of
GNDEC Bidar and NIT Warangal”**

Dated from 12-05-2022

Timings: From 10.15 AM



**Resource Person
Prof. N. V. Ramana Rao**

**Prof. Veerendra D
Dean R&D**

**Dr. Md Bakhar
H.O.D ECE**

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Dev Engg. College, Bidar



GURU NANAK DEV ENGINEERING COLLEGE, BIDAR.
E&CE DEPARTMENT

A

Report on Seminar

“Academics and Research Collaborations under MOU of GNDEC Bidar and NIT Warangal”

Organized by

“Department of E&CE”

Dated on 12-05-2022

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Guru Nanak Dev Engg. College, Bidar



GURU NANAK DEV ENGINEERING COLLEGE, BIDAR.
E&CE DEPARTMENT

Title- Seminar on “Academics and Research Collaborations under MOU of GNDEC Bidar and NIT Warangal”

Date: 12-05-2022

Time of event: 10.15 AM

Event Type: Online

Objective of Program:

- To understand the scope of Collaborations under MOU.
- Discussion on facilities available Academics and Research Collaborations.
- Building Platform to exchange academic and scientific information
- Enable the Opportunities to carry out and submit Joint Proposals, Projects and societal impact activities to funding agencies.

Profile of Resource person:

Prof. N V Ramana Rao,
Director,
NIT Warangal,
Telangana-506004

Details of Program:

A seminar on “Academics and Research Collaborations under MOU of GNDEC Bidar and NIT Warangal” to students and faculties was organized by the coordinator Dr. Md. Bakhar, HOD, Dept. of Electronics & Communication Engineering, Guru Nanak Dev Engineering College, Bidar at 10.15 AM. dated on 12-05-2022.

The program was started with welcome speech by Prof. Pavan Mankal, Asst. Prof, Dept. of ECE, then the details of MOU collaboration was introduced by Dr. Veerendra D, Dean, R&D and Finally the resource person delivered a seminar on “Academics and Research Collaborations under MOU of GNDEC Bidar and NIT Warangal” & finally Dr. MD Bakhar, HOD, Dept of ECE shared his knowledge and experience to all the students and faculties, the program was concluded with valedictory speech by Prof. Savita Soma.

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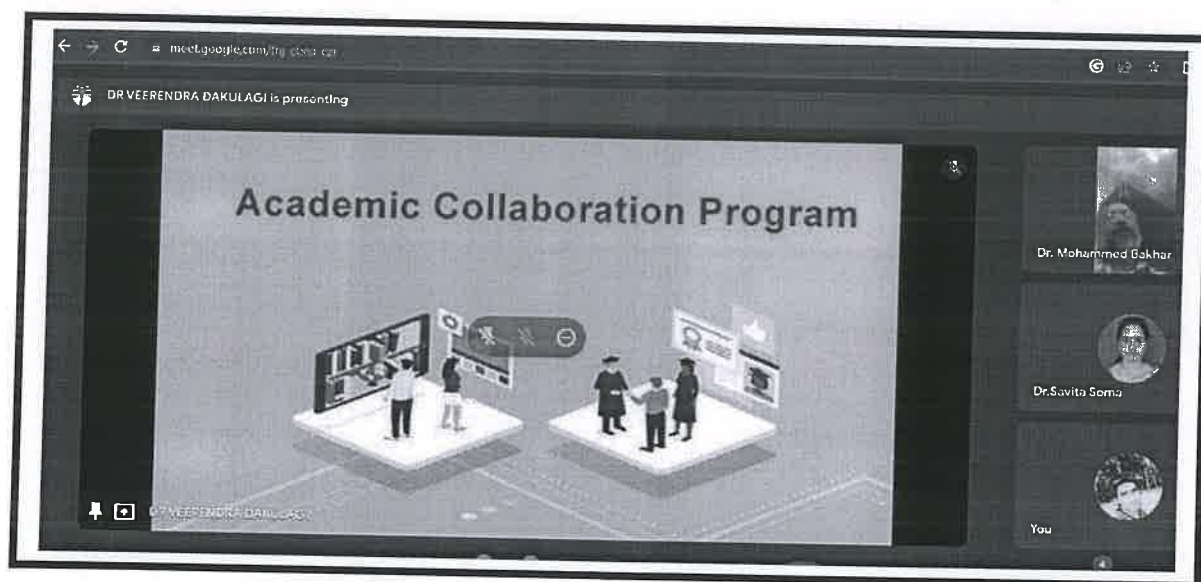
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Program Outcome:

- All the participants gained knowledge, skills, and abilities that a student is expected to acquire upon completion of an academic program.
- Understood Academic collaborations and partnerships between both academic institutions & researchers to undertake joint research or other academic activities.
- Enhanced the collaborations program outcomes by providing students with opportunities to engage in cutting-edge research and work with leading experts in their field.
- Provided faculty members with opportunities to learn about new research techniques and to share their expertise with others.
- The main aim was to promote interdisciplinary research, which can lead to the development of new and innovative approaches to addressing complex problems.

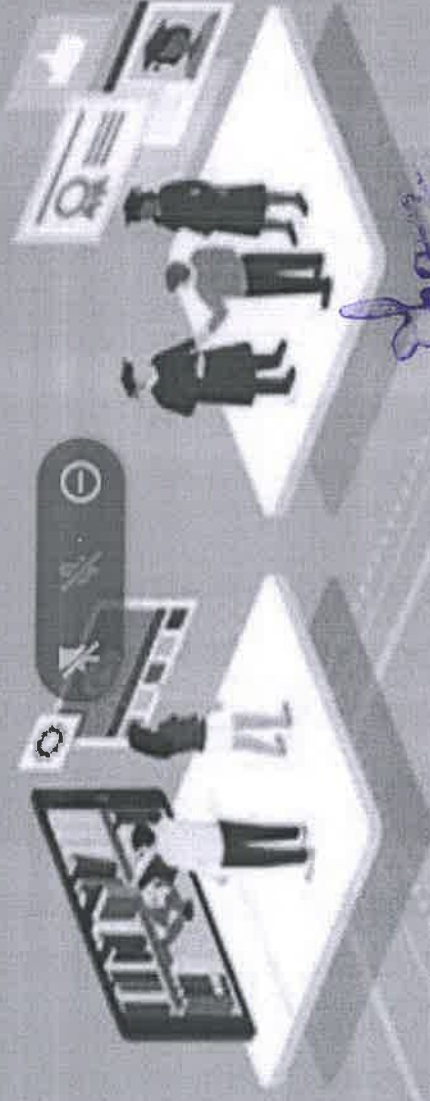
Number of Students participated: 45

Number of Students participated: 15



[Signature]
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Guru Nanak Dev Engg. College, Bidar

Academic Collaboration Program



DR VEERENDRA DAKULAGI

PRINCIPAL
M. K. D. Eng. College, T.

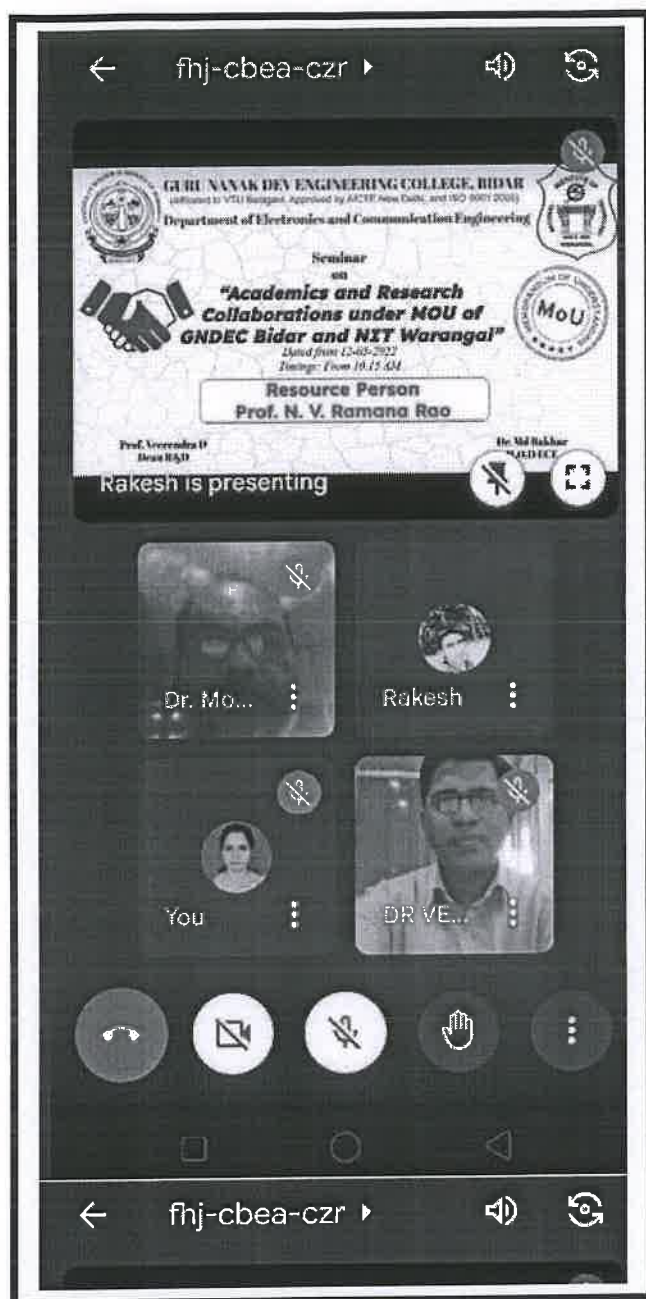
Dr. Mohammed B.

Dr. Savita Soma

You



GURU NANAK DEV ENGINEERING COLLEGE, BIDAR.
E&CE DEPARTMENT



Event Name: **"Academics and Research Collaborations under MOU of GNDEC Bidar and NIT Warangal"**

Organized by
Dr. Md. Bakhar
Professor and HOD
Department of ECE
GNDEC, Bidar.

Shan...
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GURU NANAK DEV ENGINEERING COLLEGE, BIDAR
Department of Electronics and Communication Engineering Department

ACADEMIC YEAR: 2022-2023

"Academics and Research Collaborations under MOU of GNDEC Bidar and NIT Warangal"

Sl. No.	USN	Name of the student
1	3GN18EC023	NISHA
2	3GN19EC002	AISHWARYA RATHOD
3	3GN19EC003	AKASH
4	3GN19EC004	ANJALI BASWARAJ
5	3GN19EC006	ANKUR KUTTABADKAR
6	3GN19EC007	ATIF SHAZEB
7	3GN19EC008	AUGUSTINE
8	3GN19EC009	BASAVASHREE
9	3GN19EC011	DEEPIKA
10	3GN19EC012	HADOLE SHUBHAM YUVRAJ
11	3GN19EC013	JAGADISH
12	3GN19EC014	KAMRAN ABDUL RAFAY
13	3GN19EC015	KAVYANJALI
14	3GN19EC017	M A MUNEEB
15	3GN19EC019	MAHESHWARI -
16	3GN19EC022	MD MOTESIM AHMED
17	3GN19EC023	NAGESHWARI
18	3GN19EC024	NASER
19	3GN19EC025	NAUSHEEN HASSAN
20	3GN19EC028	NIKHILESH
21	3GN19EC029	NISHA
22	3GN19EC030	NISHU
23	3GN19EC031	NITIN
24	3GN19EC032	NITISH MULGE
25	3GN19EC033	PADAMINAY SRINIVAS
26	3GN19EC034	PADMAVATI
27	3GN19EC035	PATIL SHRADDHA
28	3GN19EC037	PREETI JANVEER
29	3GN19EC040	RAKSHITA
30	3GN19EC042	SAKSHI
31	3GN19EC043	SANDHYARANI
32	3GN19EC044	SANJEEVINI
33	3GN19EC045	SANYUKTA
34	3GN19EC047	SHAKHEEL
35	3GN19EC048	SHILPA
36	3GN19EC050	SONALI EKLARKER
37	3GN19EC051	SOUMYA
38	3GN19EC053	SUMAVATI


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39	3GN19EC054	SYED ADIL HUSSAINI
40	3GN19EC056	SYED SAJEEL AHMED
41	3GN19EC059	VAISHNAVI DEVI
42	3GN19EC060	VANIKA
43	3GN19EC061	VEENA
44	3GN19EC062	VEERVIKRAM SINGH
45	3GN19EC064	VISHNU JOSHI


 PRINCIPAL
 Dr. Bhanak Dev Engg. College, Indore



छत्तीसगढ़ CHHATTISGARH

19AA 771806

MEMORANDUM OF UNDERSTANDING

Between

Kalinga University, Naya Raipur, Chhattisgarh – 492101

(First Party)

and

Guru Nanak Dev Engineering College Bidar

(Second Party)

FOR THE DEVELOPMENT OF ACADEMIC COOPERATION

Preamble

The Memorandum of Understanding (MOU) is entered into by and between

Kalinga University, NAYA RAIPUR, Chhattisgarh-492101

and

Guru Nanak Dev Engineering College Bidar

This Memorandum of Understanding has been executed on 22/12/2022
through the Chief functionaries of the parties.

REGISTRAR
KALINGA UNIVERSITY
NEAR MANTRALAYA,

Shan
PRINCIPAL


I. **Kalinga University** is accredited by NAAC with B+ grade and attained NIRF Ranking 2022 in the Top 101- 150 universities in the country. It is the only University in Chhattisgarh to have achieved an NIRF ranking in the Top 101-150. It has been established as a multidisciplinary Research-Focused and Student-Centric University with the aim to support learning that will advance human knowledge to develop and educate the leaders of tomorrow in research that tackle the most pressing problems of the state, the country, and the global community.

II. Second Party is an educational institution serving the student community.

1. **Purpose and Objectives:**

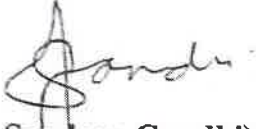
The parties recognize the benefits to be derived from mutual collaboration, cooperation and interaction towards the empowerment of the teachers. Hence, the parties desire to work together with the following objectives:

- 1.1 To provide a platform for the teachers, the Research Scholars and the students of both institutions to progress, perform and hone their teaching skills to match-up to the ever-changing and challenging times in education, by organizing seminars, conferences, symposia, workshops and mentoring programmes based on the needs and demands of the stakeholders without financial dependencies.
- 1.2 To cultivate and inculcate a research temperament that fosters an innovative ecosystem, for the teachers and the scholars of both institutions.
- 1.3 To conduct outreach programmes, to aid the less fortunate, to upgrade their knowledge and skills.
- 1.4 To organize faculty development programmes so that the teachers of both the institutions can update their knowledge base and implement the best pedagogical practices.
- 1.5 To encourage and emphasize the Professors, Associate Professors and others to participate and contribute as a resource faculty.
- 1.6 To establish a regional platform for the students/teachers.
- 1.7 To strengthen the educational relationships between both the institutions for the welfare of the teachers and learners.


REGISTRAR
KALINGA UNIVERSITY
KOTNI, NEAR MANTRALAYA


PRINCIPAL
Guni Nanak Dev Engg. College, Bidar

2. **Discretion:**
This Memorandum of Understanding (MOU) is subject to the following:
- 2.1 That the final authority in regard to its implementation and coordination of its activities shall rest on the Registrar of Kalinga University, Naya Raipur Chhattisgarh - 492101 and the authorized signatory of the second party.
- 2.2 That the Memorandum of Understanding will remain valid for five (5) years from the date of signing with the possibility of further renewal, and such renewal is subject to evaluation and subsequent agreement on the part of both the Parties.
- 2.3 Both the Institutes are agrees that this Memorandum of Understanding may be amended by mutual agreement and that each organisation may unilaterally withdraw after six months' notice to the partner.
- 2.4 The functionaries shall meet at least once in three months for planning and implementation of the programmes via video conference or face to face based on everyone's availability.
- 2.5 The copyright will be reserved by both the parties.
- 2.6 In case of any conflict between the two parties, the conflict will be resolved by Arbitration.

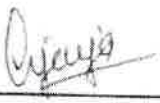

(Dr. Sandeep Gandhi)
Registrar

Kalinga University Naya Raipur Chhattisgarh –
492101

Mobile : 9303097043

REGISTRAR
KALINGA UNIVERSITY
NAYA RAIPUR CHHATTISGARH
RAIPUR (CHHATTISGARH)


Witness


(DR. VIJAYALAXMI BIRADAR)

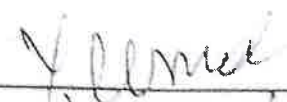
Kalinga University Naya Raipur Chhattisgarh –
492101



PRINCIPAL
Guru Nanak Dev Engg. College, Bidar


PRINCIPAL
(Guru Nanak Dev Engg. College)
BIDAR

Witness


(UMA SHANKAR YALIGAR)
Assistant Professor
IDAC Member, NSI & NAIT Coordinator
Department Of Civil Engineering
Guru Nanak Dev Engineering College, BIDAR.



KALINGA UNIVERSITY



Registered in Odisha

CERTIFICATE OF PARTICIPATION

This is to certify that

Dr./Mr./Ms.

PRATIBHA PANT
GURU NANAK DEV ENGINEERING COLLEGE

from

has attended NAAC sponsored two-days workshop on "Role of IQAC in Achieving Quality and Excellence in Higher Education by Promoting Research, Innovation and Extension Activities" organized by Internal Quality Assurance Cell (IQAC), Kalinga University, Naya Raipur on 28th & 29th April 2023, in collaboration with Guru Nanak First Grade College, Bidar.

Vijaya

Dr. Vijayalaxmi Biradar
Director IQAC
Kalinga University

Sandeep

Dr. Sandeep Gandhi
Registrar
Kalinga University

R. Shridhar

Dr. R. Shridhar
Vice Chancellor
Kalinga University

Shyamala V. Datta

Dr. Shyamala V. Datta
Principal
Guru Nanak First Grade
College, Bidar

www.kalingauniversity.ac.in

PRINCIPAL

Guru Nanak Dev Engg. College



KALINGA UNIVERSITY



Approved to Degree

CERTIFICATE OF PARTICIPATION

This is to certify that

Dr./Mr./Ms.

PRADEEP KUMAR SINGH

from

GURU NANAK DEV ENGINEERING COLLEGE BIDAR has attended NAAC sponsored two-days workshop on "Role of IQAC in Achieving Quality and Excellence in Higher Education by Promoting Research, Innovation and Extension Activities" organized by Internal Quality Assurance Cell (IQAC), Kalinga University, Naya Raipur on 28th & 29th April 2023, in collaboration with Guru Nanak First Grade College, Bidar.

Vijaya

Dr. Vijayalaxmi Biradar
Director IQAC
Kalinga University

Sandeep

Dr. Sandeep Gandhi
Registrar
Kalinga University

R. Shridhar

Dr. R. Shridhar
Vice Chancellor
Kalinga University

Shyamala V. Datta

Dr. Shyamala V. Datta
Principal
Guru Nanak First Grade
College, Bidar

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Shashi

PRINCIPAL
Guru Nanak Dev Engg. College, Bidar



KALINGA UNIVERSITY



Applied in Bidar

CERTIFICATE OF PARTICIPATION

— This is to certify that —

Dr./Mr./Ms.

UMA SHANKAR YALIGAR

from

GURU NANAK DEV ENGINEERING COLLEGE BIDAR has attended NAAC sponsored two-days workshop on "Role of IQAC in Achieving Quality and Excellence in Higher Education by Promoting Research, Innovation and Extension Activities" organized by Internal Quality Assurance Cell (IQAC), Kalinga University, Naya Raipur on 28th & 29th April 2023, in collaboration with Guru Nanak First Grade College, Bidar.

Vijaya

Dr. Vijayalaxmi Biradar
Director IQAC
Kalinga University

Sandeep

Dr. Sandeep Gandhi
Registrar
Kalinga University

Shr

Dr. R. Shridhar
Vice Chancellor
Kalinga University

Shyamala

Dr. Shyamala V. Datta
Principal
Guru Nanak First Grade
College, Bidar

Sham

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Aspirant to Lighten

CERTIFICATE OF PARTICIPATION

— This is to certify that —

Dr./Mr./Ms.

GURURAJ SURAMPALLI

from

GURU NANAK DEV ENGINEERING COLLEGE

has attended NAAC sponsored two-days workshop on "Role of IQAC in Achieving Quality and Excellence in Higher Education by Promoting Research, Innovation and Extension Activities" organized by Internal Quality Assurance Cell (IQAC), Kalinga University, Naya Raipur on 28th & 29th April 2023, in collaboration with Guru Nanak First Grade College, Bidar.

Vijaya

Dr. Vijayalaxmi Biradar
Director IQAC
Kalinga University

Sandeep

Dr. Sandeep Gandhi
Registrar
Kalinga University

R. Shridhar

Dr. R. Shridhar
Vice Chancellor
Kalinga University

Shyamala V. Datta

Dr. Shyamala V. Datta
Principal
Guru Nanak First Grade
College, Bidar

Shau

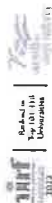
www.kalingauniversity.ac.in

PRINCIPAL

Guru Nanak Dev Engg. Coll.



KALINGA UNIVERSITY



Lighted to Lighten

CERTIFICATE OF PARTICIPATION

— This is to certify that —

Dr./Mr./Ms.

RAKESH MARTURKAR

from

GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

has attended NAAC sponsored two-days workshop on "Role of IQAC in Achieving Quality and Excellence in Higher Education by Promoting Research, Innovation and Extension Activities" organized by Internal Quality Assurance Cell (IQAC), Kalinga University, Naya Raipur on 28th & 29th April 2023, in collaboration with Guru Nanak First Grade College, Bidar.

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Dr. Shyamala V. Datta

Principal
Guru Nanak First Grade
College, Bidar

Sham

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✓ Dr./Mr./Ms.

VEERENDRA DAKULAGI

from

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Shamini

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Guru Nanak Dev Engg. College, Bidar

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Dr./Mr./Ms.

NAMRATHA

GURU NANAK DEV ENGINEERING COLLEGE BIDAR

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Kalinga University



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Dr. R. Shridhar
Vice Chancellor
Kalinga University



Dr. Shyamala V. Datta
Principal
Guru Nanak First Grade
College, Bidar



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KALINGA UNIVERSITY



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B+ Grade

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RANKING
2021

Best
University
in
Odisha



Lighted in Light

CERTIFICATE OF PARTICIPATION

— This is to certify that —

Dr./Mr./Ms.

PADMANTALI A HARGARI

from

GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

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Guru Nanak First Grade
College, Bidar

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2023

Quality
Improvement
University



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This is to certify that

Dr./Mr./Ms.

NAGRAJ R G

GURU NANAK DEV ENGINEERING COLLEGE, BIDAR has attended NAAC sponsored

two-days workshop on "Role of IQAC in Achieving Quality and Excellence in Higher Education by Promoting Research, Innovation and Extension Activities" organized by Internal Quality Assurance Cell (IQAC), Kalinga University, Naya Raipur on 28th & 29th April 2023, in collaboration with Guru Nanak First Grade College, Bidar.

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College, Bidar

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CERTIFICATE OF PARTICIPATION

— This is to certify that —

Dr./Mr./Ms.

PRASAD K K

GURU NANAK DEV ENGINEERING COLLEGE BIDAR has attended NAAC sponsored two-days workshop on "Role of IQAC in Achieving Quality and Excellence in Higher Education by Promoting Research, Innovation and Extension Activities" organized by Internal Quality Assurance Cell (IQAC), Kalinga University, Naya Raipur on 28th & 29th April 2023, in collaboration with Guru Nanak First Grade College, Bidar.

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Director IQAC
Kalinga University

Sandeep

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R. Shridhar

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Dr. Shyamala V. Datta
Principal
Guru Nanak First Grade
College, Bidar

Shan

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Guru Nanak Dev Engg. College



KALINGA UNIVERSITY

Established under Chhattisgarh Private Universities (Establishment and Operation) Act, 2005

Kotni, Near Mantralaya, Naya Raipur, Chhattisgarh, INDIA – 492101
Mob: 9303097043, Email- registrar@kalingauniversity.ac.in

Date: 31/05/2023

Consent Letter

To,
The Registrar,
Kalinga University
Naya Raipur (C.G.)

Subject: Acceptance to be member of Research Advisory Board

Dear Sir/Madam,

I Dr Pradeep Kumar Singa, working in the capacity of Associate Professor at Guru Nanak Dev Engineering College, Bidar give my consent to be a member of research advisory board of Kalinga University Naya Raipur (C.G.)

Signature:

Pradeep Kumar Singa
31/05/23

Date:

Dr. Pradeep Kumar Singa
Dean (R&D)
Guru Nanak Dev Engineering College
BIDAR-535 703 (K.G.)

Pradeep Kumar Singa
PRINCIPAL
Guru Nanak Dev Engg. College, Bidar



Guru Nanak Dev Engineering College, Bidar

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

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MoU") is made on 02/10/2022

BY AND BETWEEN

GURU NANAK DEV ENGINEERING COLLEGE, BIDAR (KS), Affiliated to
Visvesvaraya Technological University, Belagavi & Approved by AICTE New Delhi,
ISO Certified 9001-2015 and Accredited by NBA.

AND

K. G. MECH Electro-Mechanical Pvt Ltd

having its registered office

10/4/A/12/1, First Floor oppo. to NMDC
Masabtank, Hyderabad-500018 (T.S) hereinafter referred to


the "MoU Partner". Purpose of this MOU outlines the basic agreement during the
operations between the parties for the Collaboration Program, a supportive recruitment
program for students looking for placement/Internship.

I. Program Goal

The goal of the Program is to provide better placement/Internship opportunities to the
students. The Institution shall provide the students and the Company shall provide supportive
services to enhance the placement/Internship opportunities for the students.

II. Financial Arrangements

Both Parties understand that there are no financial transactions involved in this collaboration.
Both parties may seek financing of joint activities from internal and external sources available
to them.


PRINCIPAL
Guru Nanak Dev Engg. College Bidar



Guru Nanak Dev Engineering College, Bidar

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

III. Publicity

Each MoU Partner may use the name and logo of the other MoU Partner as a Placement or Recruitment or Internship in the public domain on their Websites, Brochures, Presentations and other Marketing Mediums or Materials.

IV. Validity of MoU

1. This MoU will be valid for a period of One year from the Effective Date. The MoU can be renewed for further term(s) upon mutual agreement between the MoU Partners.
2. The MoU may be terminated, with or without cause, by either MoU Partner by giving a notice of one month to the other MoU Partner.

VI. Other Terms

1. It is agreed that notwithstanding anything to the contrary contained herein, the MoU Partner or its Clients or Vendor who shares Training/Internship or Placement Opportunities to **Guru Nanak Dev Engineering College, Bidar** shall have no obligation whatsoever to hire any particular candidate or student referred by the University.
2. It is also agreed that the College and the MoU Partner will provide all its services on "best efforts basis" only.
3. The terms of the MoU may be changed by the MoU Partners through mutual consent. Any change in the terms and conditions or amendment in the terms of the MoU will be in writing.

BY SIGNING BELOW, the MoU Partners, acting through their duly authorized officers, has caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

Page 2 of 3

[Signature]

PRINCIPAL

Guru Nanak Dev Engg. College, Bidar



Guru Nanak Dev Engineering College, Bidar

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

For and on behalf of **Guru Nanak Dev Engineering College, Bidar**

Authorized Signatory

Signature

Seal of Organisation:



Name **Dr. Ravindra E**

Designation **Principal**

Date **02/01/2022**

For and on behalf of **K.G Mech Electro Mechanical Pvt. Ltd. Hyderabad.**

Authorized Signatory

Signature

Seal of Organisation:



Name **Mohammed Iftakharuddin**

Designation **Managing Director**

Date **02/01/2022**

PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

GURU NANAK DEV ENGINEERING COLLEGE, BIDAR 3

Department of Electrical & Electronics Engineering

CIRCULAR

Date: 01/02/2022

Dear Students,

I am pleased to announce that we will be organizing Three days' workshop from 05-02-2022 to 07-02-2022 on "Electrical System in construction industry" in association with KG MECH.

So it is here by informed all the pre final year students to attend the session without fail and get the benefits of the same.

[Signature]

[HOD, EEE]

**Department of Electrical
& Electronics Engineering**
G.N.D. Engg College, BIDAR

Copy to:

1. The Director Academics for kind information.
2. The Principal for kind information.
3. The Administrator GNDECB for kind information
4. Department Notice Board

[Signature]
PRINCIPAL
Guru Nanak Dev Engg College, Bidar

GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

Department of Electrical & Electronics Engineering

Three days' workshop on "Electrical System in construction industry"

From 05-02-2022 to 07-02-2022


Coordinator: G.Prashant

Resource Person: Mr.Mohammed Khaja Moinuddin

Mr.Mohammed Abdul Nayeem


Semester: IV

Relevance to POs & PSOs: PO 1,2,3,4,5,12 & PSO 1




GURU NANAK DEV ENGINEERING COLLEGE, BIDAR
(Affiliated to VTU Belagavi and AICTE New Delhi, ISO certified institute 9001:2015)

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



KG MECH
Mechanical Pvt. Ltd.
ISO 9001:2008 CERTIFIED

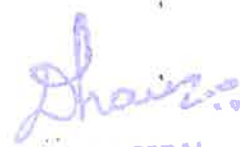
In Association with KG MECH & IEI
Organises
3 days Workshop On
"Electrical Systems in Construction Industry"



Date:- 05th Feb 2022
Time:- 10:00AM

Prof. Prashant G Coordinator	Dr. Neelshetty K Resource Person	Dr Ravindra E Principal	Col.Dr. B.S. Dhaliwal Director of Academics
---------------------------------	-------------------------------------	----------------------------	--

Description: Training to students for designing & calculation of electrical lighting load for given building or room and use of DILUX software.

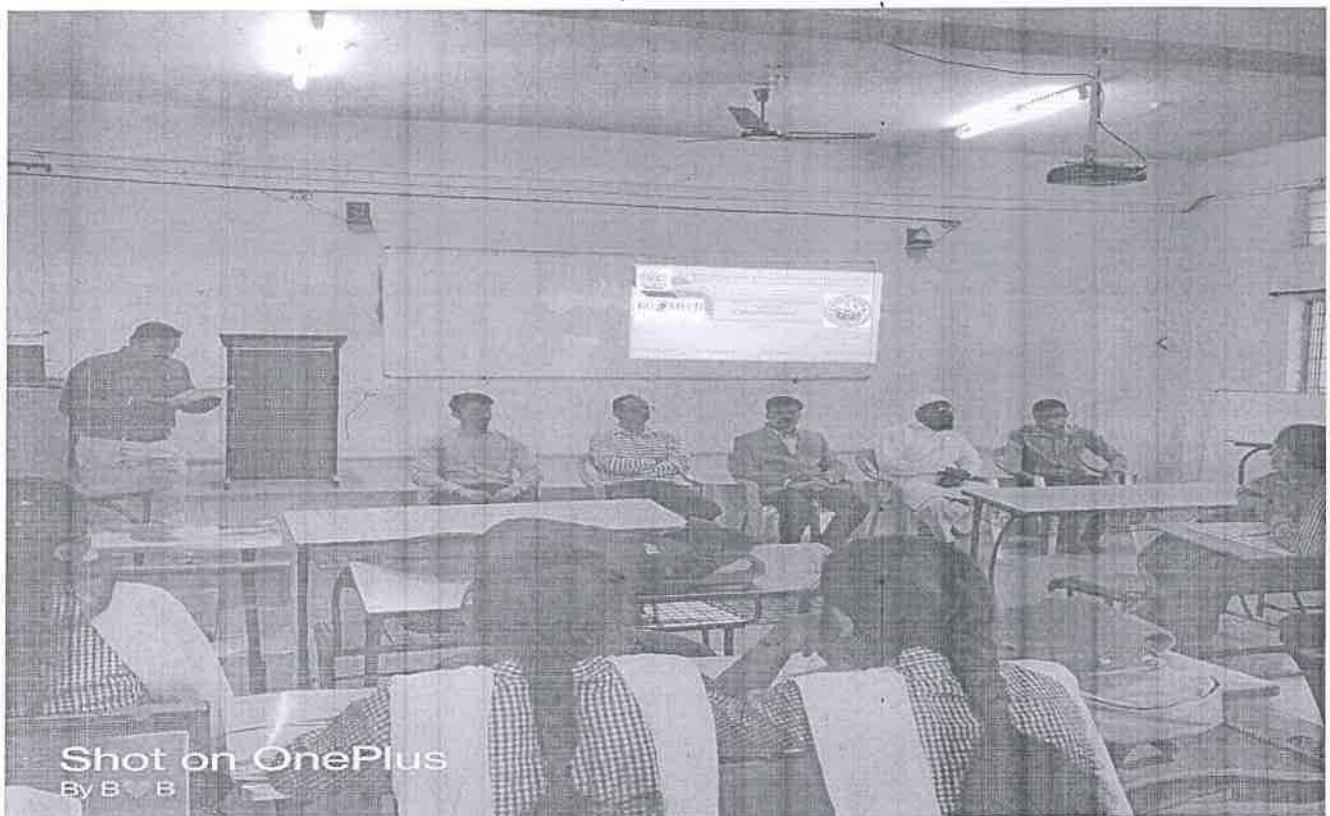

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GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

Department of Electrical & Electronics Engineering

Outcome of 3days workshop on "Electrical systems in construction industry":

1. The students understood how Electrical engineering plays an important role in construction industry.
2. The students were able to understand how to prepare the list of electrical material required for completion of any type of building wiring.
3. The students were provided hands-on session on "DILUX" software for calculation and designing of lighting for a given room or workspace.
4. Overall the students were independently able to complete an electrical project in a construction industry.

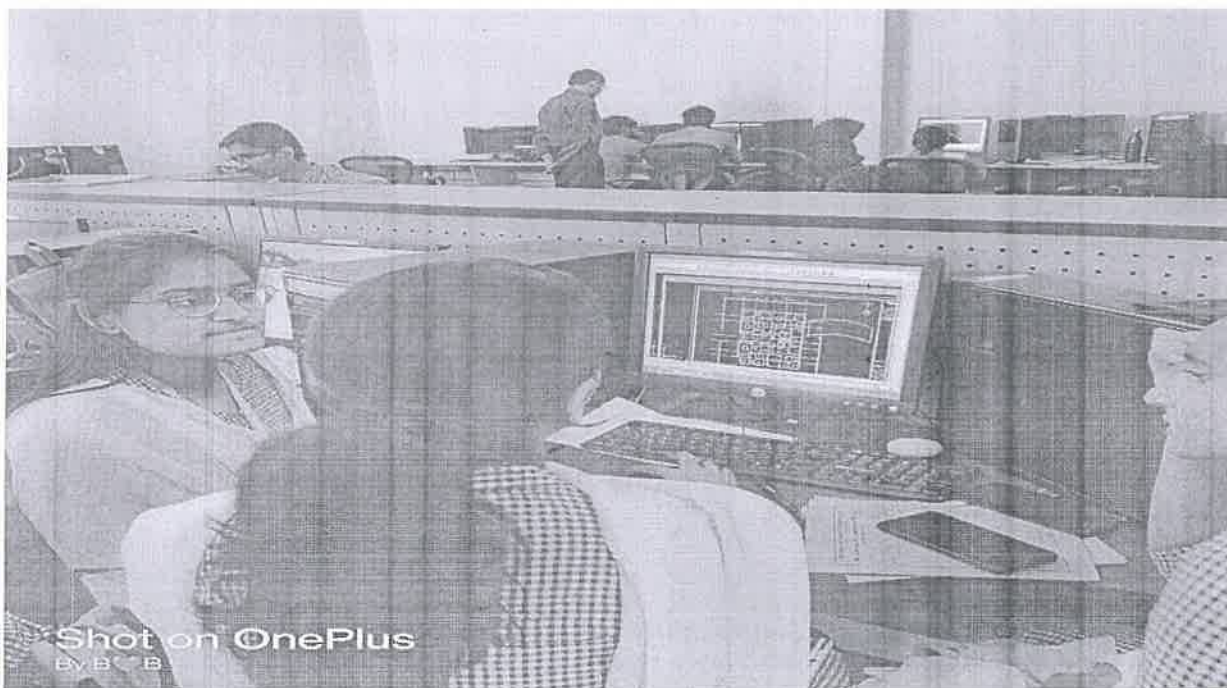


Shau
PRINCIPAL
Guru Nanak Dev Engg. College, Bidar

for 8/6
HOD EEE
Department of Electrical
& Electronics Engineering
G.N.D. Engg College, BIDAR

GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

Department of Electrical & Electronics Engineering

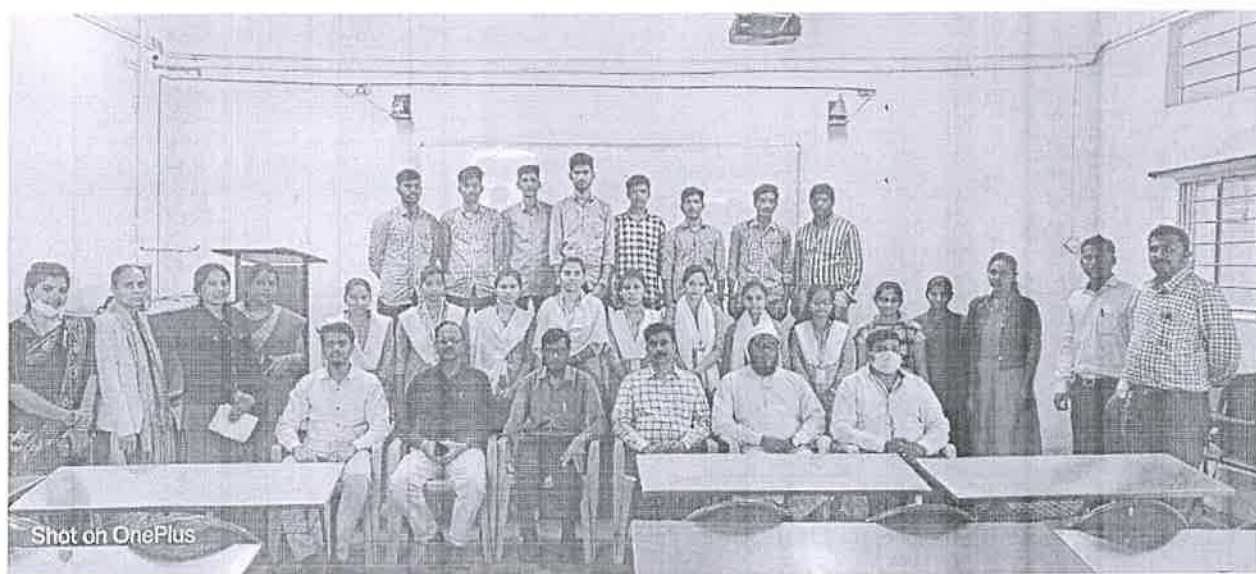
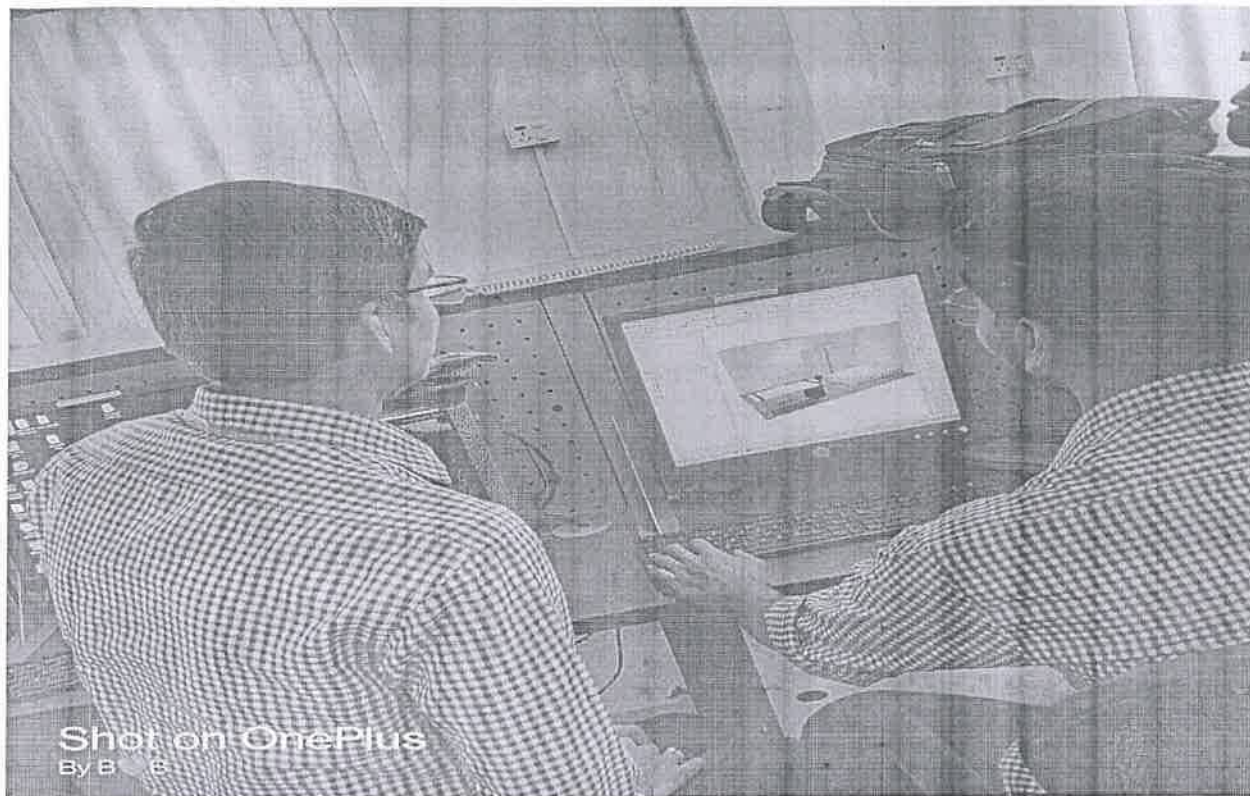


Dhanraj
PRINCIPAL
Guru Nanak Dev Engg. College, Bidar

f or 8/8
**Department of Electrical
& Electronics Engineering**
G.N.D. Engg College, BIDAR

GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

Department of Electrical & Electronics Engineering



Shauz

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Guru Nanak Dev Engg. College, Bidar

for 88

**Department of Electrical
& Electronics Engineering**
G.N.D. Engg College, BIDAR


GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

Department of Electrical & Electronics Engineering

	 Electro - Mechanical Pvt. Ltd. ISO 9001 - 2015 Certified	
	Certificate No.: KGMEWS01	Date of Issue: 07-FEB-2022
	Certificate of Participation	
	This is to certify that <u>Gurish</u>	
	has attended THREE DAYS WORKSHOP ON ELECTRICAL SYSTEMS held at Guru Nanak Dev Engineering College Bidar, Karnataka, on February 5, 6 & 7, 2022.	
  	Principal	Managing Director KG MECH PVT. LTD. 
MECHANICAL ELECTRICAL CIVIL COMPUTERS HEALTH & SAFETY ECE Sanibet Nagar Masabtank Dubai, Ph: +91 7799 125104, 9700910084		

for 88
HOD EEE

Department of Electrical
& Electronics Engineering
G.N.D. Engg College, BIDAR


PRINCIPAL
Guru Nanak Dev Engg. College, Bidar

Guru Nanak Dev Engineering College, Bidar						
Department of Electrical and Electronics Engineering						
Internship Details 2022-23						
sl.no	Name of the Student	Usn	Name of the Organization with location	From Date	To Date	No of Days
1	Vikas	3GN20EE406	SEMICORE TECHNOLOGIES Hyderabad	7/2/2023	7/3/2023	30
2	Harivishnu	3GN20EE401	SEMICORE TECHNOLOGIES Hyderabad	7/2/2023	7/3/2023	30
3	Preeti	3GN19EE014	SEMICORE TECHNOLOGIES Hyderabad	7/2/2023	7/3/2023	30
4	vaijyanti	3GN19EE034	SEMICORE TECHNOLOGIES Hyderabad	7/2/2023	7/3/2023	30
5	Sindhu	3GN19EE027	SEMICORE TECHNOLOGIES Hyderabad	7/2/2023	7/3/2023	30
6	Girish	3GN19EE005	SEMICORE TECHNOLOGIES Hyderabad	7/2/2023	7/3/2023	30
7	Swati	3GN19EE032	SEMICORE TECHNOLOGIES Hyderabad	7/2/2023	7/3/2023	30
8	Silvia	3GN20EE405	SEMICORE TECHNOLOGIES Hyderabad	7/2/2023	7/3/2023	30
9	Pallavi	3GN20EE402	SEMICORE TECHNOLOGIES Hyderabad	7/2/2023	7/3/2023	30
10	Saimegha	3GN19EE021	SEMICORE TECHNOLOGIES Hyderabad	7/2/2023	7/3/2023	30
11	G Sudrshan	3GN19EE006	SEMICORE TECHNOLOGIES Hyderabad	7/2/2023	7/3/2023	30
12	Amol	3GN20EE400	SEMICORE TECHNOLOGIES Hyderabad	7/2/2023	7/3/2023	30


PRINCIPAL
 Guru Nanak Dev Engg. College, Bidar

for SR
 +HOD (EEE)
Department of Electrical & Electronics Engineering
G.N.D. Engg. College, BIDAR



Guru Nanak Dev Engineering College, Bidar

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

✓ 4

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MoU") is made on 07.10.2022

BY AND BETWEEN

GURU NANAK DEV ENGINEERING COLLEGE, BIDAR (KS), Affiliated to
Visvesvaraya Technological University, Belagavi & Approved by AICTE New Delhi,
ISO Certified 9001-2015 and Accredited by NBA.

AND

GENICURE TECHNOLOGIES 7-1-451/22/10, 3rd FLOOR
having its registered office
DERGA BHAVANE COMPLEX - HYDERABAD-16

hereinafter referred to
the "MoU Partner". Purpose of this MOU outlines the basic agreement during the
operations between the parties for the Collaboration Program, a supportive recruitment
program for students looking for placement/Internship.

I. Program Goal

The goal of the Program is to provide better placement/Internship opportunities to the
students. The Institution shall provide the students and the Company shall provide supportive
services to enhance the placement/Internship opportunities for the students.

II. Financial Arrangements

Both Parties understand that there are no financial transactions involved in this collaboration.
Both parties may seek financing of joint activities from internal and external sources available
to them.

Shau...
PRINCIPAL

Guru Nanak Dev Engg. College, Bidar



Guru Nanak Dev Engineering College, Bidar

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

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MoU") is made on 07/06/2022

BY AND BETWEEN

**GURU NANAK DEV ENGINEERING COLLEGE, BIDAR (KS), Affiliated to
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ISO Certified 9001-2015 and Accredited by NBA.**

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BY SIGNING BELOW, the MoU Partners, acting through their duly authorized officers, has caused this Memorandum of Understanding to be executed, effective as of the day and year first above written



Guru Nanak Dev Engineering College, Bidar

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

For and on behalf of **Guru Nanak Dev Engineering College, Bidar**

Authorized Signatory

Signature

Seal of Organisation

Name Dr. Ravindra G

Designation Principal

Date 07/06/2022

For and on behalf of

Authorized Signatory

Signature

Seal of Organisation

Name: S. Varalakshmi

Designation HRD

Date 08/06/2022

PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

Parake



Shan...

PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

CERTIFICATE OF INTERNSHIP

THIS CERTIFICATE IS AWARDED TO

Mr. VIKAS

has completed internship on Embedded Systems

from 07/02/2023 to 07/03/2023 successfully

*we wish this intern all the best for future
endeavours*

Shawar

PRINCIPAL
Guru Nanak Dev Engg. College Bidar



Authorised Signature

CERTIFICATE OF INTERNSHIP

THIS CERTIFICATE IS AWARDED TO

Mr. Harivishnu

has completed internship on Embedded Systems

from 07/02/2023 to 07/03/2023 successfully

we wish this intern all the best for future
endeavours

Shawzi

PRINCIPAL

M. Narak Dev Engg. College, Bidar

Authorised Signature



Department of Electronics Engineering
Engg College Bidar

CERTIFICATE OF INTERNSHIP

THIS CERTIFICATE IS AWARDED TO

Ms. Preeti Pawar

has completed internship on Embedded Systems

from 07/02/2023 to 07/03/2023 successfully

**we wish this intern all the best for future
endeavours**

Shawar

PRINCIPAL

Guru Nanak Dev Engg. College, Bidar



Authorised Signature

CERTIFICATE OF INTERNSHIP

THIS CERTIFICATE IS AWARDED TO

Ms. Vaidyanti

has completed internship on Embedded Systems

from 07/02/2023 to 07/03/2023 successfully

**we wish this intern all the best for future
endeavours**

Shan

PRINCIPAL
Guru Nanak Dev Engineering College, Bidar
www.semicoretech.com

for

HOD

Department of Electrical
Electronics Engineering
Engg College, Bidar



Authorised Signature

CERTIFICATE OF INTERNSHIP

THIS CERTIFICATE IS AWARDED TO

Ms. Sindhu

has completed internship on Embedded Systems

from 07/02/2023 to 07/03/2023 successfully

**we wish this intern all the best for future
endeavours**

Dhanu

PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

Authorised Signature



for sb
HOD

CERTIFICATE OF INTERNSHIP

THIS CERTIFICATE IS AWARDED TO

Ms. Swati.B

has completed internship on Embedded Systems

from 07/02/2023 to 07/03/2023 successfully

*we wish this intern all the best for future
endeavours*



Shamir

PRINCIPAL

Gurukul Prasad Desai Engineering College

Authorised Signature

www.semicoretech.com

CERTIFICATE OF INTERNSHIP

THIS CERTIFICATE IS AWARDED TO

Ms. Silvia

has completed internship on Embedded Systems

from 07/02/2023 to 07/03/2023 successfully

*we wish this intern all the best for future
endeavours*



Authorised Signature

for sb
- filed

CERTIFICATE OF INTERNSHIP

THIS CERTIFICATE IS AWARDED TO

Ms. Palvi

has completed internship on Embedded Systems

from 07/02/2023 to 07/03/2023 successfully

*we wish this intern all the best for future
endeavours*

Shariq

PRINCIPAL
Guru Nanak Dev Engg College, Bidar

www.semicoretech.com



Department of **Electrical & Electronics Engineering**
G.N.E.C. College, Bidar

Authorised Signature

CERTIFICATE OF INTERNSHIP

THIS CERTIFICATE IS AWARDED TO

Ms. Sai Megha

has completed internship on

Embedded Systems

from 07/02/2023

to

07/03/2023

successfully

we wish this intern all the best for future
endeavours

Shanu

PRINCIPAL
Dev Engg. College, Bidar

Authorised Signature

Santh

Department of Electrical
& Electronics Engineering
G.N.D. Engg. College, BIDAR

CERTIFICATE OF INTERNSHIP

THIS CERTIFICATE IS AWARDED TO

Mr. Gowre Sudarshan

has completed internship on Embedded Systems

from 07/02/2023 to 07/03/2023 successfully

we wish this intern all the best for future
endeavours

Dhanu

PRINCIPAL
Guru Nanak Dev Engg. College, Bidar

Authorised Signature



Department of Electrical
& Electronics Engineering
Guru Nanak Dev Engg. College, BIDAR

for SB

HOD

CERTIFICATE OF INTERNSHIP

THIS CERTIFICATE IS AWARDED TO

Mr. Arnol

has completed internship on Embedded Systems

from 07/02/2023 to 07/03/2023 successfully

We wish earn all the best for future
endeavours

Sham

PRINCIPAL
Guru Nanak Dev Engg. College, Bidar

coretech.com

for Sr. HOD

Department of Electrical
Electronics Engineering
Guru Nanak Dev Engg. College, Bidar



Authorised Signature



KRITIKA TECHNICAL ACADEMY

Technical Training Institute

191, FF, Narmada Colony, Near Vitthal Rukmini Mandir, Katol Road,
Nagpur - 440013 Maharashtra (INDIA)

MEMORANDUM OF UNDERSTANDING BETWEEN

ER. VIJAY BHAMBRI, TECHNICAL TRAINER, NAGPUR

And

GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

THIS MOU / AGREEMENT IS ENTERED INTO ON THE (Dt.13.12.2021) between Er. Vijay Bhambri, Nagpur, here in after referred to as FIRST PARTY / ACADEMIC PARTNER (AP)

And

GURU NANAK DEV ENGINEERING COLLEGE, BIDAR (Here in after referred to as the Second party) and represented by the Principal, Dr. Ravindra Eklarker, who has been specifically authorized by the Second Party, to enter into this agreement.

- Whereas the Second party, conducting UG/PG/Ph.D. programs in Engineering and Management (research / specified / specialized studies).
- First Party has submitted an application seeking permission to provide Training to the students in the following areas and can add more areas with mutual consent.

1. Assembly & Disassembly of A.C motors
2. Assembly & Disassembly of D.C motors
3. Assembly & Disassembly of Alternators
4. Assembly & Disassembly of Reciprocating compressor and rotary compressor.
5. Assembly & Disassembly of Transformers
6. 3D printing/prototype modeling.
7. Principles of Lean.

OBJECTIVE OF TRAINING

- The primary objective of Training is to bridge the gap between the industry and academics.
- To provide hands on experience to the students of engineering, in recent technologies practiced in the industry.
- To create Industry environment in the Institute.
- To improve the employability of the students by imparting the knowledge, improving the awareness and confidence of the students.
- To counsel the students into various disciplines and technologies.

TERMS AND CONDITIONS

It shall be responsibility of the first Party / Academic Partner to arrange the following:

- Scope of Academic Partner (AP)
 - Providing Industry Oriented Training.
 - Academic Partner (AP) will bring the necessary kits whenever required for the training program.
 - AP will coordinate with Industry for any support required.

PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

+91 8390747117, +91 8390747081

shivashakti345@gmail.com



KRITIKA TECHNICAL ACADEMY

Technical Training Institute

191, FF, Narmada Colony, Near Vitthal Rukmini Mandir, Katol Road,
Nagpur - 440013 Maharashtra (INDIA)

- Projector, Computer and Class room needs to be provided by the college.
- Stay at Guest House needs to be provided by the college for AP Team.
- Refreshments to Faculty during training Session.
- Getting Students for Training.
- Power Supply and Unloading of Kits.
- Safety of training material, including kit to be ensured by college.

• Commercial Conditions

- The Agreement/contract will be for 2 years.
- All Training program will be conducted at college on chargeable basis and the training fees can be decided mutually.
- Any damage to property of life due to mishandling of kits, AP is not responsible.
- Training certificate will be signed by college and AP.
- Training fees needs to be deposited before start of program.
- Special One-day workshop on New Technology can be planned, for which charges can be discussed mutually and planned.

• TERMINATION

Either Party may forthwith terminate this MOU / Agreement:

- If the other Party goes into liquidation or proceedings for insolvency / bankruptcy.
- If the other Party materially breaches the terms of this MOU / Agreement.

• LIABILITY

Neither Party shall be liable for any indirect, incidental nor economic consequential damages (such as loss of profits) suffered by the other party.

• DISPUTE RESOLUTION AND JURISDICTION

The parties to this MOU / Agreement shall settle any dispute arising out of this MOU / Agreement through mutual negotiation and agreements.

- This MOU / Agreement shall be governed by the laws of India and both Parties are subject to the exclusive jurisdiction of courts in Nagpur.

- **Governing Law:** This Agreement shall be governed by the laws of India.

- If any provision of this MOU / Agreement is held to be invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions shall in no way be affected or impaired thereby as long as the intent of the parties can be preserved.

- **Notwithstanding anything to the contrary in the Agreement, it is Specifically and clearly agreed that:**

- Neither Party shall be liable for any payments of claims by employees of the other Party.
- Neither party shall be liable for discharging any financial or other commitments made by the other Party.



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Guru Nanak Dev Engg. College, Nagpur



KIRTI TECHNICAL ACADEMY

Technical Training Institute

101 FF, Narmada Colony, Near Vitthal Rukmin Mandir, Rahat Road,
Nagpur - 440011 Maharashtra (INDIA)

- Neither Party shall be responsible or liable for any infringement of any law, rule, regulation, order etc. by the other Party.
- Neither the management nor any employee of the Second Party shall abuse the name / emblem of the First Party, in any manner.
 - Neither of the Parties is or shall be or deemed to be or shall hold itself out to any third party as being the agent or legal representative of the other or have the authority to bind the other Party without the prior approval of that Party in each and every case or accept any liability whatsoever for activities of the other Party.
 - Neither party is or shall be responsible for the debts incurred by the other or be bound by any contracts or representations made by the other or any obligations undertaken by the other. Neither party shall make any representation pertaining to the other or its business or affairs, without the express written consent and approval of the other.
 - Academic Partner will not be responsible for any accident or any injury during training.

Dr. Vicky Bhamber
TECHNICAL TRAINER
Durg Junction
Nagpur

Vicky Bhamber

R.K.
Principal

Witness:

Sharma
PRINCIPAL
Guru Nanak Dev Engg. College, Pida

+91 8390747117, +91 8390747081

shivashakti345@gmail.com



GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

Department of Electrical and Electronics Engineering

GNDECB/EEE/2020-21/

Date: 08/12/2022

Circular

Dear Students,

I am pleased to announce that we will be organizing a Two days workshop on 3D printing modelling and assembly disassembly of AC motor, DC motor, Alternators on 13/12/2021 to 14/12/2021 By Er. Vijay Bhambri, Technical trainer, Freelancer Nagpur

So it is here by informed all the final year and pre final year students to attend the session without fail and get the benefits of the same.


[HOD, EEE]

Department of Electrical
& Electronics Engineering
G.N.D. Engg College, BIDAR

Copy to:

1. The Director Academics for kind information.
2. The Principal for kind information.
3. The Administrator GNDECB for kind information
4. Department Notice Board


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GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

Department of Electrical and Electronics Engineering

Two days workshop from 13-12-2021 to 14-12-2021

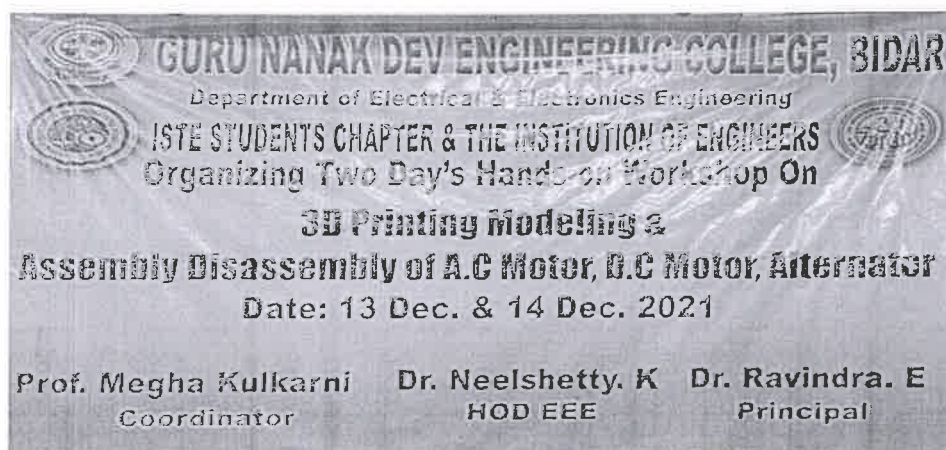
“3D Printing Modeling and Assembly Disassembly of A.C Motor, D.C Motor, Alternator”

Coordinator: Prof. Megha Kulkarni

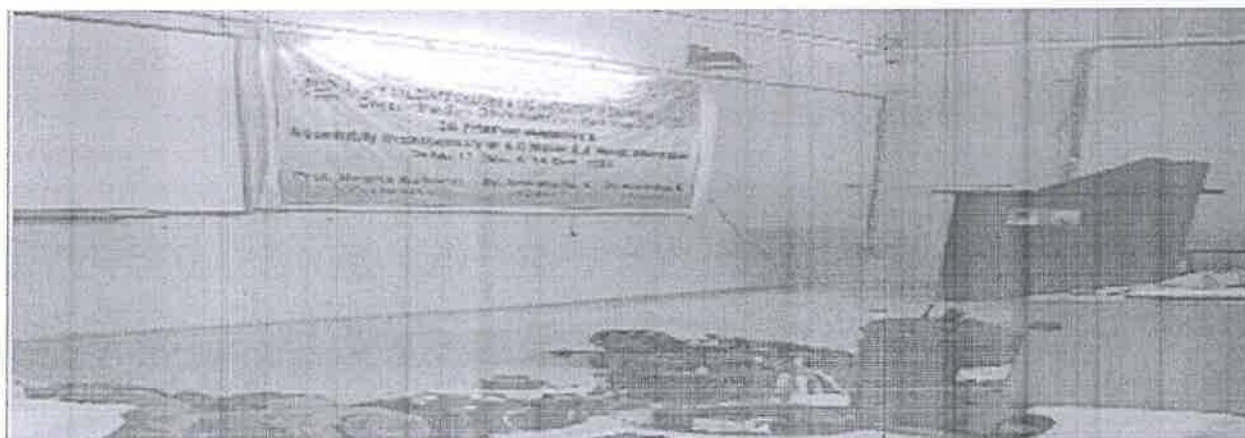
Resource Person: Er. Vijay Bhambri, Technical Trainer, Nagpur

Semester: III & V

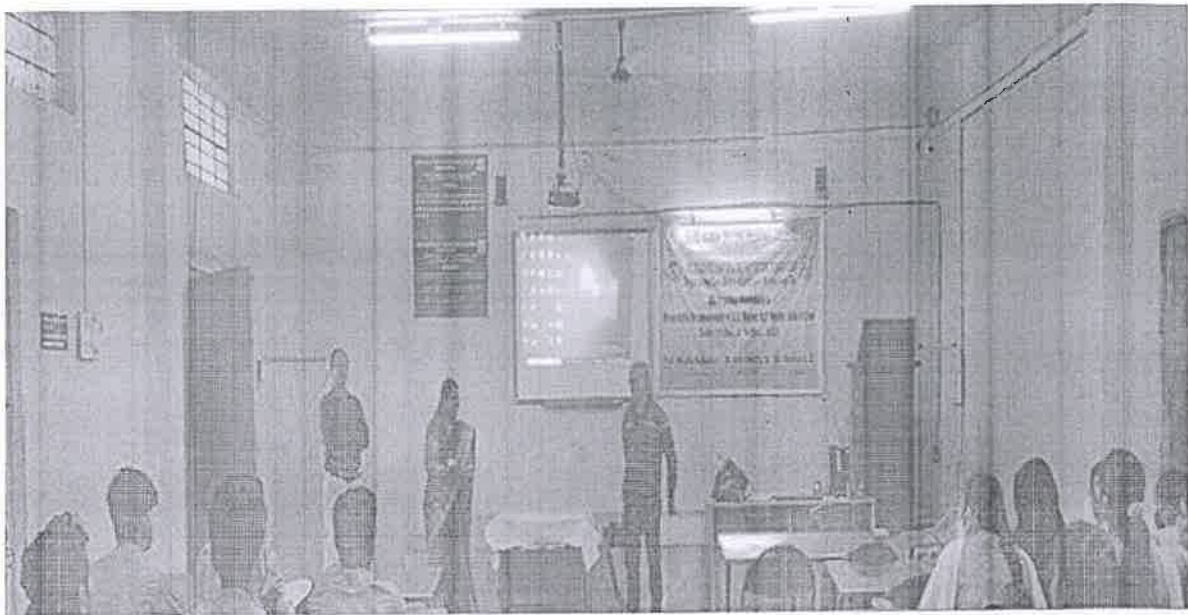
Relevance to POs & PSOs: PO 1, 2, 3, 5, 12 & PSO1



Description: Training to students for assembly & disassembly of A.C motor, D.C motor, alternator and 3D printing modeling use of “CURA” software.



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3D Printing Modeling and Assembly Disassembly of A.C Motor, D.C Motor, Alternator

Outcome of 2 days workshop:

1. The students understood how AC & DC motors and alternators play an important role in core industry.
2. The students were provided hands-on session on assembly and disassembly of AC motor, DC motor, alternator and 3D printing modeling using "CURA" software.
3. The students were able to assemble and disassemble AC motor, DC motor and alternator by them self.

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meel
HOD (EEE)
Department of Electrical & Electronics Engineering
G.N.D. Engg College, BIDAR



GURU NANAK DEV ENGINEERING COLLEGE, BIDAR
MECHANICAL ENGINEERING DEPARTMENT

Number of students attended / participated

SI.NO	USN	Student Name
1	3GN21CS001	ABHISHEK
2	3GN21CS002	ABHISHEK S
3	3GN21CS003	ADITYA
4	3GN21CS004	ADITYA KANNA
5	3GN21CS005	ADITYA SHIVAPUJE
6	3GN21CS006	AISHWARYA
7	3GN21CS007	AISHWARYA DURGE
8	3GN21CS008	AKSHITHA
9	3GN21CS009	AMANDEEP KAUR
10	3GN21CS010	ANCHAL GADA
11	3GN21CS011	ANIMESH
12	3GN21CS012	ANIRUDH RANGDAL
13	3GN21CS013	ANISHA ELMALKAR
14	3GN21CS014	ANISHA MOGLE
15	3GN21CS015	ANJALI
16	3GN21CS016	ANJALI
17	3GN21CS017	ANUJA
18	3GN21CS018	ARCHANA
19	3GN21CS019	ARCHANA
20	3GN21CS020	ARPITA
21	3GN21CS021	AYESHA BEGUM
22	3GN21CS022	BACHA SRAVYA
23	3GN21CS023	BHAGYAWANTI
24	3GN21CS024	BHUVANESHWARI
25	3GN21CS025	CHETAN
26	3GN21CS026	DAYANAND
27	3GN21CS027	DHANRAJ
28	3GN21CS028	DIGVIJAY
29	3GN21CS029	DIVYA RANI
30	3GN21CS030	FARHAN
31	3GN21CS031	FOUAD BAKSH
32	3GN21CS032	HANIYA FATIMA
33	3GN21CS033	KOMAL PATIL
34	3GN21CS034	LAVANYA
35	3GN21CS035	MADHURA JAJEE
36	3GN21CS036	MALLIKARJUN
37	3GN21CS037	MD ADIL ALI
38	3GN21CS038	MD HUZAIF SHAH
39	3GN21CS039	MD JAWAD

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GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

MECHANICAL ENGINEERING DEPARTMENT

40	3GN21CS040	MD SHARIQ AYAN
41	3GN21CS041	MD ZEESHAN HUSSAIN
42	3GN21CS042	MEGHARAJ
43	3GN21CS043	MEGHARANI
44	3GN21CS044	MIRZA SUBAN ALI BAIG
45	3GN21CS045	MOHAMMED AHSAN
46	3GN21CS046	MOHAMMED TAUSEEF AHMED
47	3GN21CS047	MOHD RIYAN AHMED SHAREEF
48	3GN21CS048	MOHD ZUBAIR AHMED
49	3GN21CS049	MONISHA
50	3GN21CS050	N ASHWINI
51	3GN21CS051	NEHA CHALVA
52	3GN21CS052	NIKHILREDDY
53	3GN21CS053	NIKITA
54	3GN21CS054	NIKITA
55	3GN21CS055	NIKITA
56	3GN21CS056	NIKITA KULKARNI
57	3GN21CS057	NIRANJAN
58	3GN21CS058	OM SAI KOTE
59	3GN21CS059	OSAMA MOHAMMED JAVEED
60	3GN21CS060	PATIL SAKSHI
61	3GN21CS061	PAVAN
62	3GN21CS062	PAVANKUMAR
63	3GN21CS063	PRAJVAL
64	3GN21CS064	PRAJWAL
65	3GN21CS065	PRASHANT
66	3GN21CS066	PRASHANTH PANCHAL
67	3GN21CS067	PRATIKSHA
68	3GN21CS068	PRAVEEN MALGE
69	3GN21CS069	PREETI
70	3GN21CS070	PURNA SWAMY KAWDI
71	3GN21CS071	RADHIKA
72	3GN21CS072	RASHMI PATIL
73	3GN21CS073	RUTUJA PATIL
74	3GN21CS074	SACHIN CHAVAN
75	3GN21CS075	SAIKUMAR
76	3GN21CS076	SALWA FATIMA MANAAL
77	3GN21CS077	SANGEETA POLAKPALLI
78	3GN21CS078	SANGMESH BHANDE
79	3GN21CS079	SANJANA
80	3GN21CS080	SAYYEDAH SARAH TAMHEED

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GURU NANAK DEV ENGINEERING COLLEGE, BIDAR
MECHANICAL ENGINEERING DEPARTMENT

81	3GN21CS081	SHAH MUJTABA AHMED QUADRI
82	3GN21CS082	SHARANBASAVA
83	3GN21CS083	SHEETAL PAWAR
84	3GN21CS084	SHIVALEELA
85	3GN21CS085	SHIVLING
86	3GN21CS086	SHRADHA HUNCHAGERE
87	3GN21CS087	SHREYA
88	3GN21CS088	SHREYA GADA
89	3GN21CS089	SHRIHARI REDDY
90	3GN21CS090	SHRUSTI PRABHA
91	3GN21CS091	SHRUTI
92	3GN21CS092	SHWETA
93	3GN21CS093	SIDDU KOLARE
94	3GN21CS094	SIDDU PATIL
95	3GN21CS095	SNEHA
96	3GN21CS096	SNEHA KUSNOOR
97	3GN21CS097	SOHAIL ZAMAN
98	3GN21CS098	SOUMYA
99	3GN21CS099	SOURABH CHIDRI
100	3GN21CS100	SPOORTHI
101	3GN21CS101	SPOORTI
102	3GN21CS102	SUDHARANI
103	3GN21CS103	SYED ADNAN
104	3GN21CS104	SYED ADNAN ANSARI
105	3GN21CS105	SYED ANABUDDIN
106	3GN21CS106	SYED ASHFAQUDDIN
107	3GN21CS107	SYED SABER ALI
108	3GN21CS108	SYED UMAR SYED
109	3GN21CS109	SYEDA MALIHA ANAM
110	3GN21CS110	UJWAL
111	3GN21CS111	VAIBHAVI SINDOL
112	3GN21CS112	VAISHNAVI
113	3GN21CS113	VAISHNAVI
114	3GN21CS114	VAISHNAVI
115	3GN21CS115	VAISHNAVI S
116	3GN21CS116	VIGNESHWAR
117	3GN21CS117	VIJAYKUMAR
118	3GN21CS118	VIJAYLAXMI
119	3GN21CS119	VINAY KUMAR
120	3GN21CS120	VINAYAK S JADHAV
121	3GN21CS121	VISHAL

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MECHANICAL ENGINEERING DEPARTMENT

122	3GN21CS122	VISHAL KARBHARI
123	3GN21CS123	VISHNU
124	3GN21CS124	VIVEK
125	3GN21CS125	VIVEK ALLE
126	3GN21CS126	SHAIKH ADEEB
127	3GN21CV001	AAMENA KAUSER SAFA
128	3GN21CV002	ABHISHEK
129	3GN21CV003	ABHISHEK
130	3GN21CV004	ABHISHEK
131	3GN21CV005	ABHISHEK
132	3GN21CV006	ABHISHEK
133	3GN21CV007	ABHISHEK
134	3GN21CV008	AKASH
135	3GN21CV009	ANJALI
136	3GN21CV010	ANKITA DANA
137	3GN21CV011	ASHWINI
138	3GN21CV012	BASAVAKIRAN
139	3GN21CV013	BASVANTRAO
140	3GN21CV014	BENNY RAHUL NANDA
141	3GN21CV015	DEEPAK SHAGOND
142	3GN21CV016	DEEPIKA
143	3GN21CV017	DEEPIKA BHANDARI
144	3GN21CV018	DIVYA
145	3GN21CV019	EHTESHAM UL HASSAN RAHEEL
146	3GN21CV020	GOWRE SAURABH ASHOK
147	3GN21CV021	HAUSA FATIMA
148	3GN21CV022	JADHAV VISHNU
149	3GN21CV023	JAI V SWAMI
150	3GN21CV024	JAIDEV
151	3GN21CV025	KARTHIK REDDY
152	3GN21CV026	KRISHNA
153	3GN21CV027	LIKEET
154	3GN21CV028	M C BASAVAKIRAN
155	3GN21CV029	MAHENDRA
156	3GN21CV030	MD IBADUDDIN
157	3GN21CV031	MD SABEEL RAZA
158	3GN21CV032	MD SHOAIB KHAN
159	3GN21CV033	MOHAMMED IMTIYAZ KHAN
160	3GN21CV034	MOHD SOHAIL
161	3GN21CV035	MUSTAFA MUNEEB RASIQ
162	3GN21CV036	NAGRAJ

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GURU NANAK DEV ENGINEERING COLLEGE, BIDAR
MECHANICAL ENGINEERING DEPARTMENT

163	3GN21CV037	NANDINI
164	3GN21CV038	NANDITA K Y
165	3GN21CV039	NEHA
166	3GN21CV040	OMKARESHWAR
167	3GN21CV041	PARSHURAM
168	3GN21CV042	PRASAD
169	3GN21CV043	PRERANA
170	3GN21CV044	RASHMI
171	3GN21CV045	RESHMA
172	3GN21CV046	ROHIT
173	3GN21CV047	ROSHAN
174	3GN21CV048	SACHIN REDDY
175	3GN21CV049	SADIYA NOOR
176	3GN21CV050	SANDEEP
177	3GN21CV051	SANTOSHKUMAR
178	3GN21CV052	SAPNA
179	3GN21CV053	SHAIK ARFAT
180	3GN21CV054	SHAIK FATEH MOHAMMED
181	3GN21CV055	SHIVA SHANKAR PATIL
182	3GN21CV056	SIDDHARTH
183	3GN21CV057	SRUSTI
184	3GN21CV058	SUMIT V GAIKWAD
185	3GN21CV059	SYED FAZLURAHMAN
186	3GN21CV060	VASANTH
187	3GN21CV061	VINAY
188	3GN21CV062	VISHAKA
189	3GN21CV063	YASER ADEEL
190	3GN21IS001	AKHILESH BIRADAR
191	3GN21IS002	AMAAN SAQUIB
192	3GN21IS003	AQSA FATIMA
193	3GN21IS004	ASHA
194	3GN21IS005	ASHWINKUMAR
195	3GN21IS006	AYESHA LUBNA
196	3GN21IS007	BHAGYALAXMI
197	3GN21IS008	BHAGYAVANTI
198	3GN21IS009	BHOOMIKA
199	3GN21IS010	CHANDORE VISHAL
200	3GN21IS011	DATTATRI
201	3GN21IS012	DEEPIKA
202	3GN21IS013	JAGJEETH KAUR
203	3GN21IS014	JIJAU
204	3GN21IS015	JYOTI

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GURU NANAK DEV ENGINEERING COLLEGE, BIDAR
MECHANICAL ENGINEERING DEPARTMENT

205	3GN21IS016	K RAHMAM
206	3GN21IS017	KRISHNA REDDY
207	3GN21IS018	LAVANYA
208	3GN21IS019	MD ASFAHAN PASHA
209	3GN21IS020	MOHAMMED ZUBAIR AHMED
210	3GN21IS021	MOHD SALMAN UZAIR
211	3GN21IS022	NAGRAJ
212	3GN21IS023	NANDINI GODEPURGE
213	3GN21IS024	NATRAJ
214	3GN21IS025	NAVEED AKHTER
215	3GN21IS026	PRAJWAL DANA
216	3GN21IS027	PRARTHANA
217	3GN21IS028	PREM
218	3GN21IS029	PREMALA
219	3GN21IS030	PRIYA MADKI
220	3GN21IS031	PRUTHVIRAJ
221	3GN21IS032	RAKSHITA
222	3GN21IS033	RAVIKANTH
223	3GN21IS034	ROHIT
224	3GN21IS035	SAINATH
225	3GN21IS036	SANDEEP PATIL
226	3GN21IS037	SANJANA
227	3GN21IS038	SHALINI
228	3GN21IS039	SHIVANI G
229	3GN21IS040	SHRADHA
230	3GN21IS041	SHREYA GOUDAR
231	3GN21IS042	SIMRANJEET SINGH
232	3GN21IS043	SNEHA MAHASHETTY

NAG

Coordinator

Pran

HOD

Pran

PRINCIPAL

Guru Nanak Dev Engg. College, Bidar

HEAD OF DEPARTMENT
Mechanical Engineering
Guru Nanak Dev Engineering College,
BIDAR-585 403 (Karnataka)



Wholly owned by UTAR Education Foundation
(Co. No. 578227-M)
DU012(A)



MEMORANDUM OF UNDERSTANDING
BETWEEN
UNIVERSITI TUNKU ABDUL RAHMAN,
MALAYSIA
AND
GURU NANAK DEV ENGINEERING COLLEGE,
INDIA

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DU012(A)



MEMORANDUM OF UNDERSTANDING
BETWEEN
UNIVERSITI TUNKU ABDUL RAHMAN,
MALAYSIA
AND
GURU NANAK DEV ENGINEERING COLLEGE,
INDIA

Dhans
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Guru Nanak Dev Engg. College, Bidar

This memorandum of understanding (hereinafter called "MOU") is made on the

Practicum Exchange Program

BETWEEN

UNIVERSITI TUNKU ABDUL RAHMAN, a private university registered under the Malaysian Private Higher Educational Institutions Act 1996, wholly owned by UTAR Education Foundation [Company No. 578227-M], and having its address at Jalan Universiti, Bandar Barat, 31900 Kampar, Perak, Malaysia (hereinafter called "UTAR").

AND

GURU NANAK DEV ENGINEERING COLLEGE, a premier institution in Karnataka, India established in the year 1980 by the Prabhandak Committee, Gurudwara Shri Nanak Jhira Saheb Foundation, Bidar, and having its address at Mailur Rd, Mailoor, Bidar, Karnataka 585403, India (hereinafter called "GNDECB").

WHEREAS

- a) UTAR is a university offering courses in undergraduate and postgraduate programmes in the areas including Accountancy, Actuarial Science, Applied Mathematics, Arts and Social Science, Chinese Studies, Malaysian Studies, Business and Economics, Engineering and Built Environment, Information and Communication Technology, Life and Physical Sciences, Medicine and Health Sciences, Media and Journalism, Education, Agriculture and Food Science, and engages in the provision and conduct of research, consultation, management and leadership training and other related educational services at its campuses at Bandar Sungai Long and Kampar in Malaysia.
- b) GNDECB is a university affiliated to VTU, Belagavi and approved by the All India Council for Technical Education (AICTE), New Delhi, offering six undergraduate courses (including civil engineering, computer science engineering, electronics and communication engineering, electrical and


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electronics engineering, information science engineering, and mechanical engineering), four postgraduate courses and eight Ph.D. research centres. GNDECB started in the year 1980 with an annual intake of 120 in three traditional branches. Currently, over 2500 students from all over the country are taking the benefits from education imparted through professionals. GNDECB has received several awards for its outstanding service in technical education. GNDECB has MoU with SEER academy Bangalore, MTC, and AP for Autodesk & PTC Bangalore, and Intel Corporation, Bangalore.

- c) Both parties now wish to enter into a series of discussions for meaningful collaboration for purposes more particularly set forth herein.

Following the discussions between UTAR and GNDECB (hereinafter called "the Parties"), the Parties hereby agree to the following.

1. AREAS OF UNDERSTANDING

1.1 The relationship created by this MOU is not intended to be binding in any court of law. Any collaborative ventures that may bind the Parties are subject to separate contractual arrangements which include terms relating to ownership, intellectual property, financial arrangements, use of resources, etc.

1.2 This MOU is intended to establish a basis upon which UTAR and GNDECB may explore areas for cooperation. In this regard, the Parties agreed to the following goals and objectives as part of their international collaboration programmes:

- a. To initiate joint international collaborative research projects.
- b. To initiate joint talent training program.
- c. To facilitate academic development exchanges between the Parties, including mutual visits by faculty members to pursue research, teaching, and to participate in seminars, conferences, workshops, etc.

- d. To facilitate student mobility where appropriate for the purpose of enhancing students learning experience.
- e. To facilitate internship by undergraduate students where appropriate.
- f. To initiate joint supervision for master and doctoral programmes, if appropriate.

2. DURATION

This MOU shall come into effect upon execution hereof by the Parties hereto and shall continue for a period of three (3) years and may be extended upon mutual agreement thereafter.

3. IMPLEMENTATION & COORDINATION

3.1 The implementation of the cooperation under this MOU shall be dealt with by the relevant departments or faculties of both Parties. A separate written agreement shall be entered into by the Parties setting out the detailed arrangements for collaboration which will stipulate the following:

- a. The scope, timeframe, and objectives of the activity in detail.
- b. The responsible persons within the particular departments or units that are concluding the agreement. The persons named will be directly responsible for the implementation and oversight of the proposed activity. Changes to the personnel involved may be made at the discretion of the department or unit head, in coordination with the institutional points of contact at UTAR and GNDEC B named in Clause 3.2 of this MOU; and
- c. The commitment of resources, if applicable, and the attendant financial obligations of the respective partnering departments.

This MOU does not require either Party to support any new financial commitment unless expressly agreed otherwise by the partnering departments or units.

- 3.2 In order to oversee this MOU and coordinate with the associated departments and separate supplementary agreements, both the Parties agree that the institutional points of contact shall be the following:

For GNDECB: Dr. Ravindra Eklarker
Professor and Principal
Email: principalgndecbb@gmail.com

For UTAR: Dr. Humaira Nisar
Head of Programme
Faculty of Engineering and Green Technology
Email: humaira@utar.edu.my

4. AMENDMENT

The Parties may revise, amend or modify all or any part of this MOU by way of mutual consent in writing which shall come into force on such date to be determined by the Parties.

5. CONFIDENTIALITY

All information and/or data that may be exchanged, acquired and shared in connection with the areas of cooperation between the Parties pursuant to this MOU shall be treated as strictly confidential and shall not under any circumstances be divulged by the receiving Party to any third party without the prior written consent of the disclosing Party unless otherwise the same has already been in the public domain. This obligation shall continue to bind the Parties hereto notwithstanding the termination of this MOU.

6. RESULTS OF COLLABORATION


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Guru Nanak Dev Engg. College, Bidar



Ownership of any research findings, curriculum, content and intellectual property arising from collaborative studies or researches shall be decided upon through mutual agreement of the Parties. Any publication, application, use and others regarding the same shall only be allowed after obtaining the prior written consent of both the Parties.

7. LIMITATION OF LIABILITY

In no event shall either Party be liable to the other for any damages whatsoever including without limitation, direct, indirect, speculative, incidental, special, or consequential damages in connection with the performance under this MOU.

8. GOOD FAITH

In entering into this MOU, the Parties recognise that it is impractical to make provisions for every contingency that may arise in the course of the performances thereof. Accordingly, the Parties hereby declare it to be their intention that this MOU shall operate between them in accordance with the principles of good faith, with fairness and without detriment to the interests of any of the Parties. If in the course of this MOU, unfairness to any Party is disclosed or anticipated or any dispute arises, the Parties shall use their best endeavours to agree upon such action as may be necessary and equitable to remove or resolve the cause(s) of the same. If the Parties hereto fail to resolve the disputes or disagreements amicably then the MOU shall be deemed to be terminated forthwith.

9. COSTS

No Party shall incur any expenditure on behalf of the other Party. Each Party shall be responsible for its own expenses incurred unless otherwise agreed upon prior to carrying out the activities under this MOU.


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10. TERMINATION

Either Party may terminate this MOU for any reason whatsoever by giving to the other Party a written notice of three (3) months. Where such termination occurs, the provisions of this MOU shall continue to apply to on-going programmes or activities until their completion.

11. NOTICE

Any notice required to be given hereunder shall be in writing and shall be delivered by courier service or facsimile to the address stated herein.

12. ELECTRONIC SIGNATURES

Each party agrees that this MOU and any other documents to be delivered in connection herewith may be electronically signed, and that any electronic signatures appearing on this MOU or such other documents are the same as handwritten signatures for the purposes of validity, enforceability, and admissibility.

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Dhanu
PRINCIPAL
Guru Nanak Dev Engg. College, Bidai

IN WITNESS WHEREOF the Parties hereto have their authorised representatives hereto set their hands the date and year first above mentioned.

Signed by:

Signed by:



IR. PROF. DR. EWE HONG TAT

President

Universiti Tunku Abdul Rahman



MRS. RESIMA KAUR

Vice Chairperson

Guru Nanak Dev Engineering College

In the presence of:

In the presence of:



IR. PROF. DR. YOW HO KWANG

Vice President (Internationalisation and Academic Development)

Universiti Tunku Abdul Rahman



DR. RAVINDRA EKLARKER

Principal, Guru Nanak Dev Engg. College
Guru Nanak Dev Engineering College




PRINCIPAL
Guru Nanak Dev Engg. College, Bidar



Invitation



Guru Nanak Dev Engineering College, Bidar, Karnataka, India, with great pleasure would like to invite you all to the inaugural ceremony of the two-day International Conference on 'Advances in Communication and Computing Technology' (ICACCT-2021) to be held on 28th December 2021 at 9.30 am.

Organized by

Dept. of E&CE, GNDEC in association with the UTAR (Malaysia) and the UTP (Malaysia).

Chief Guest

Prof. Ir. Dr. Ewe Hong Tat
President, Universiti Tunku Abdul Rahman (UTAR), Malaysia.

Guests of Honor

Dr. Sardar Balbir Singh, President, SNJSF, Bidar.
Mrs. Reshma Kaur, Vice-Chairperson, GNDEC, Bidar.

Venue: Guru Nanak Bhavan, GNDEC Campus, Bidar

Dr. Md. Bakhar & Prof. Ramesh Patil
Program Chairs

Dr. Ravindra Eklarker
General Chair & Principal

Dr. Veerendra Dakulagi
Conference Chair

Col. Dr. B. S. Dhaliwal
Director (Academics)

28
DEC

9.30 AM
(IST)

PRINCIPAL
Guru Nanak Dev Engg. College, Bidar

REGISTRATION FORM

INTERNATIONAL CONFERENCE ON ADVANCES IN COMMUNICATION & COMPUTING TECHNOLOGY

DECEMBER 28 & 29, 2021

Name of the delegate _____

Designation _____

Institute/University _____

Address _____

Contact No. _____

Email Id. _____

Signature of the delegate _____

Please submit the signed registration form to the
email: Conference.gndec@gmail.com

ORGANIZING COMMITTEE

Chief Patrons

Dr. Sardar Balbir Singh, President, SNJSF, Bidar.
Smt. Reshma Kaur, Vice Chairperson, GNDCEB, Bidar.

Co-Patron

Col. Dr. B.S. Dhaliwal, Director (Academics) GNDCEB.

Honorary Chair

Dr. Rajkumar Buyya, Redmond Barry Distinguished
Professor, The University of Melbourne, Australia.

Conference Chair

Dr. Ravindra Eklarkar, Principal, GNDCEB.

Conference Co-Chair

Dr. Veerendra Dakulagi, Asso. Prof. & Dean (R&D), GNDCEB.

Program Chairs

Dr. Md. Bakkar, Prof. & HOD, EGCE Dept., GNDCEB, India.
Prof. Ramesh Patil, Asso. Prof., EGCE Dept., GNDCEB, India.

Program Co-Chair

Dr. Vishwanath Bijalwan, Institute of Technology,
Gopeshwar, Uttarakhand, INDIA.

Publication Chairs

Dr. Kishan Singh, Professor, EGCE Dept., GNDCEB, India.
Dr. Yeap Kim Ho, Asso. Prof., UTAR, Malaysia.

Publicity Chairs

Dr. Anuradha. M. S. Professor, EGCE Dept., GNDCEB, India.
Dr. Humaira Nisar, Asso. Professor, UTAR, Malaysia.

Advisory Chairs

Dr. Karisiddappa, Honorable Vice-Chancellor, Visvesvaraya
Technological University, Belgaum, India.
Dr. Gursimran Singh Walia, Chair and Professor of
Computer Science at Georgia Southern University, USA.

Organizing Members

Dr. Savita Soma, Asso. Professor, EGCE Dept., GNDCEB.
Dr. Praveen Reddy, Asso. Professor, EGCE Dept., GNDCEB.
Dr. Premala Patil, Asso. Professor, EGCE Dept., GNDCEB.
Dr. Mahesh M. SVERI's COE, Pandharpur, Maharashtra.
Prof. Rajendra K. Asst. Professor, EGCE Dept., GNDCEB.
Prof. Namratha E. Asst. Professor, EGCE Dept., GNDCEB.
Prof. Nitin K. Asst. Professor, EGCE Dept., GNDCEB.
Prof. Santosh Yadav, Asst. Professor, EEE Dept., GNDCEB.
Prof. Shilpa. Biradar, Asst. Professor, EGCE Dept., GNDCEB.
Prof. Ramya S. K. Asst. Professor, EGCE Dept., GNDCEB.
Prof. Shrawan K. Asst. Professor, EGCE Dept., GNDCEB.
Prof. Pavan Mankal, Asst. Professor, EGCE Dept., GNDCEB.
Prof. Pradeep K. Asst. Professor, EGCE Dept., GNDCEB.
Prof. V. Archana, Asst. Professor, EGCE Dept., GNDCEB.
Prof. Soni M. Asst. Professor, EGCE Dept., GNDCEB.
Prof. Huggi Pooja, Asst. Professor, EGCE Dept., GNDCEB.
Prof. Shweta Gadga, Asst. Professor, EGCE Dept., GNDCEB.
Dr. Nagaraj R. G. Associate Professor, Mech. Dept., GNDCEB.
Dr. Pradeep Kumar Singa, Asso. Prof., Civil Dept., GNDCEB.
Dr. Ajay M. Asso. Professor, A.S. Dept., GNDCEB.
Prof. Rajmohan Pardeshi, Asst. Professor, EEE Dept., GNDCEB.
Prof. Gururaj S. Assistant Professor, CSE Dept., GNDCEB.

INTERNATIONAL CONFERENCE ON

ADVANCES IN COMMUNICATION & COMPUTING TECHNOLOGY (ICACCT-2021)

December 28 & 29, 2021



ORGANIZED BY

Dept. of Electronics & Communication Engg.
Guru Nanak Dev Engineering College
Karnataka, India.

in joint collaboration with

Universiti Tunku Abdul Rahman, Malaysia,

and

Universiti Teknologi PETRONAS, Malaysia.

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Guru Nanak Dev Engg. College, Bidar

About the College

Guru Nanak Dev Engineering College, Bidar is a premier institution in Karnataka offering technical and management courses. The college was established in the year 1980 by the Prabhakar Committee, Gurudwara Shri Nanak Jiara Sahib Foundation, Bidar with the Vision of "Essence of Wisdom is Service to Humanity". The sole objective of GNDEC is to impart quality technical education in the field of engineering and management. The college is affiliated to VTU, Belagavi, approved by the All India Council for Technical Education (AICTE), New Delhi, and Accredited by the National Board of Accreditation (NBA), New Delhi. The college is spread over a sprawling area of 25 acres. The college offers seven undergraduate and four postgraduate courses in addition to five Ph.D. research centers. The college has received 2nd National Karnataka Education Summit Award, Excellent Education Institution in Technical Education, Dr. A. P. J. Abdul Kalam Memorial Award, and Certificate of excellence & Kannada Rajyotsava Prashasti. The college has MoU with SEER academy Bangalore, MTC, and AP for Antodesk & PTC Bangalore and Intel Corporation, Bangalore.

About the Department

EECE department was established in the year 1982 with an intake of 30 seats which has progressively increased to 120 seats. The department offers postgraduate course in DCN and has a Research Center. The department has a team of highly qualified, dedicated, and experienced faculty members. EECE offers a great ambience for the wholesome development of students. With an ever-growing enthusiasm for education and research, EECE is committed to excellence in education. It has stringent recruitment policies, high standards for academic performance, outstanding infrastructure, and proactive placement initiatives. The students are well trained in their academic curriculum and also in skills that are required for the industry. They are given customized and employability training both in technical as well as in communication skills. Department runs VLSI training program with SEER Academy Hyderabad. Our students do industry-oriented mini-projects in their pre-final semester using state-of-the-art lab facilities provided in Vinuthana and Intel labs. Through this, they gain experience and exposure to industry practices to become competent and tech-savvy professionals.

About the Conference

The International Conference on Advances in Communication and Computing Technology aims to provide a high-level international forum for researchers and recent advances in the field of electronics, communication, computing, big data analytics, cybersecurity, quantum computing, Biocomputing, IoT, Artificial Intelligence, Machine learning, etc. The aim of the conference is to bridge the gap between technological advancements in the industry and academic research.

Registration Details

B.E./M.Tech. students
Rs. 1000/- per paper
Ph.D. scholars
Rs. 1200/- per paper
Academicians (Faculty)
Rs. 1500/- per paper
Industry Delegates
Rs. 2000/- per paper
Abroad Delegates
USD 50/- per paper

Important Dates

Last Date for Submission
30th Nov. 2021
Confirmation of Acceptance
10th Dec. 2021
Last date for Registration
15th Dec. 2021
Conference Dates
28-29, Dec. 2021

Online Payment Details

The Principal, State Bank of India, GNDEC Bidar Branch,
Bidar, Karnataka, India.
Account No: 37781086644
IFSC: SBIN0040809

Payment can also be made through Demand Draft in favor of Principal, GNDEC, Bidar, and Payable at Bidar. OR

For Authors

Authors are required to submit full-length papers to conference.gnec@gmail.com. Submitted papers must be original and unpublished. Best papers will be awarded. Send a soft copy in doc. format and the photocopy of the registration form can be used for the registration. Authors can also present their work through online platforms. Complete details of the conference can be found at the URL of Conference Website.

Website: <https://icacp2021.gnecb.ac.in/>

Conference Topics (not limited to):

Communication Track	Compacting Track
Array Signal Processing	Soft Computing Techniques
Coding Techniques	Bio-computation and
Multi Carrier Modulation	Bioinformatics
MIMO & UWB Systems	Artificial Intelligence
EMI & EMC Techniques	Machine Learning
Antenna Systems	IoT and Machine Learning
RF Circuit Design	Simulation and Modeling
Spectrum Management	Image processing
Cognitive Radio Design	Pattern recognition
Millimeter Wave Technology	Big data and data mining
Satellite Technology	Natural language processing
Smart Antennas	Computer vision and graphics
Signal Processing	Systems and Security
5G and beyond	Deep Learning

All accepted and presented papers will be published in one of the following journals:

1. *Intelligencia Artificial (Web of Science)*
2. *Electrica (Web of Science)*
3. *Journal of Advanced Research in Wireless, Mobile & Telecommunication.*
4. *Compliance Engineering (UGC Care).*

Technical and Advisory Committee

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Dr. Vijay Bhaskar Somwal, NIT, Bhopal, India.
Dr. Subhash Kulkarni, PES, University, Bangalore, India.
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Dr. Mallikarjun Hangarge, Vice-Principal, KASCC Bidar.
Prof. Dr. Sameer Khader, Vice President, Palestine.
Dr. Ravi Raushan Dept. of EEE, NITK, India.
Dr. Manddeep Singh, Department of EECE, NITK, India.
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Dr. Prasanna Paga, Nitte Meenakshi Institute of Technology.
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Dr. Ratneshwar Kumar Ratnesh (MIET), Meerut, India.
Dr. Gopi Ram, Dept. of EECE, NIT, Warangal, India.
Dr. Kiran Kumari Patil, Director, University Industry Interaction, Reva University, Bangalore, India.

For more details or any queries,

please contact

Dr. Veerendra Dukulagi

email: veerendra.gnec@gmail.com

Mobile Phone No: +91-8298721601

International Conference on Advances in Communication and Computing Technology (ICACCT-2021) held on 28-29, December 2021

The developments in the field of Engineering and Technology have made enormous contributions in all walks of life. The world consists of a large number of natural and man-made systems which has paved the way for innovation and creativity. The field of Electronics, Communication, and Computer science is not far behind in this race. The ever-increasing restrictions in power, space, Industrial Automation, and biomedical instrumentation is a cue to set up a new era in which communication tools, Control system algorithms, and Digital signal processing applications have to be embedded with VLSI techniques for attaining better results. These needs are the real inspirational force behind ICACCT-2021.

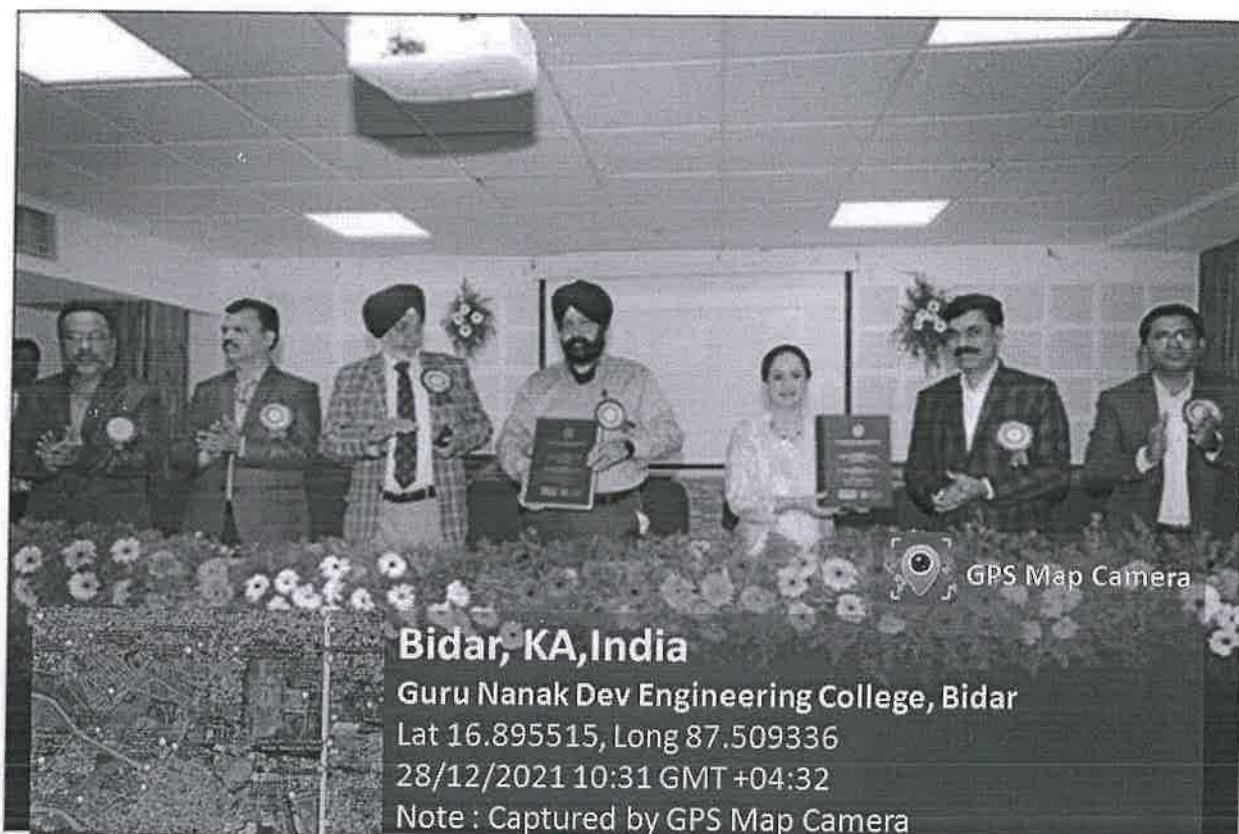
The department of E&CE of Guru Nanak Dev Engineering College, Bidar, Karnataka, India in joint collaboration with UTAR and UTP Malaysia is organizing two days International Conference on Advances in Communication and Computing Technology (ICACCT-2021) on 28-29, December 2021. We received a total of 120 full-paper submissions from different countries. We received papers from USA, Malaysia, Uttarakhand, IIT, NIT, Kerala, Andra, Maharashtra etc.

All papers were subjected to a rigorous review process. A total of 40 reviewers participated in the review and paper selection. After deliberation, 75 papers were selected based on the recommendations of the review committee.

Eminent scientists and professors have been invited to deliver plenary sessions at the conference, which will enlighten students and staff with their enormous acquaintance in the field during various sessions of the conference. The invited speakers will bring to light cutting-edge technologies in various areas so that the participants may benefit from this technical gorge. We are happy to place on record the cooperation, support and guidance received from all quarters. We would like to thank all the reviewers, authors, session chairs, and participants for their active participation in molding this conference into a rich technical forum.



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Guru Nanak Dev Engg. Coll. Bidar



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Co-Patron

Col. Dr. B.S. Dhaliwal, *Director(Academics)*, Guru Nanak Dev Engineering College, Bidar, India.

Honorable Chair

Dr. Rajkumar Buyya, Redmond Barry Distinguished Professor & Director, Cloud Computing and Distributed Systems (CLOUDS) Lab. The University of Melbourne, Melbourne, VIC 3010, Australia. <http://www.buyya.com/>

Conference Chairs

Dr. Ravindra Eklarker, *Principal*, Guru Nanak Dev Engineering College, Bidar, India.

Dhaliwal

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Dr. Veerendra Dakulagi, Associate Professor of E&CE Dept., Guru Nanak Dev Engineering College, Bidar, India.

Program Co-Chair

Dr. Vishwanath Bijalwan, Institute of Technology, Gopeshwar, INDIA

Advisory Chairs

Dr. Karisiddappa, Honorable Vice Chancellor, Visvesvaraya Technological University Belgavi, Karnataka, India.

Dr. Prof. Marimuthu Palaniswami, *Fellow IEEE*, Professor, Department of Electrical and Electronic Engineering, The University of Melbourne, Australia.
<https://people.eng.unimelb.edu.au/palani/>

Dr. Gursimran Singh Walia, Chair and Professor of Computer Science at Georgia Southern University, USA. <http://www.gursimransinghwalia.com/>

Dr. Bijnan Bandyopadhyay, Fellow IEEE, Institute Chair Professor, Systems and Control Engineering, Indian Institute of Technology (IIT) Bombay, India.
<https://www.sc.iitb.ac.in/~bijnan/>

Publicity Chairs

Dr. Varun G Menon, Professor in Computer Science, SCMS School of Engineering and Technology, Kerala, India.

Dr. Humaira Nisar, Head of Programme--Master of Engineering (Electronic Systems), Faculty of Engineering and Green Technology, Universiti Tunku Abdul Rahman, Kampar, Perak, Malaysia.

Dr. Mohammed Bakhar, Professor, Department of E&CE, Guru Nanak Dev Engineering College, Bidar, India.

Organizing Committee

Prof. Rajmohan Pardeshi, Assistant Professor in Computer Science, KASCC Bidar, India.

Dr. Anuradha. M. S, *Assoc. Professor, E&CE Dept. GNDEC, Bidar, India.*

Prof. Rajendra K. *Asst. Prof. E&CE Dept. GNDEC, Bidar, India.*

Prof. Premala Patil, *Asst. Professor, E&CE Dept. GNDEC, Bidar, India.*

Prof. Namratha E, *Asst. Professor, E&CE Dept. GNDEC, Bidar, India.*

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Prof. Shilpa. Biradar, *Asst. Professor, E&CE Dept. GNDEC, Bidar, India.*

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Prof. Pavan Mankal, Asst. Professor, E&CE Dept. GNDEC, Bidar, India.
Prof. Pradeep K, Asst. Professor, E&CE Dept. GNDEC, Bidar, India.
Prof. Archana, Asst. Professor, E&CE Dept. GNDEC, Bidar, India.
Prof. Harish Joshi, Asst. Professor, E&CE Dept. GNDEC, Bidar, India.
Prof. Sony M, Asst. Professor, E&CE Dept. GNDEC, Bidar, India.
Prof. Sheetal, Asst. Professor, E&CE Dept. GNDEC, Bidar, India.
Prof. Mahesh Mathapati, Dept. of Electronics & Telecommunication Department, College of Engineering, Pandharpur, Maharashtra, India.
Prof. Steven Raj. N, Asst. Professor, CSE Dept, GNDEC, Bidar, India.
Prof. Guru Prasad, Asst. Professor, CSE Dept, GNDEC, Bidar, India.
Prof. Margesh Keskar, Asst. Professor, CSE Dept, GNDEC, Bidar, India.
Prof. Durga Prasad Ananthu, Asst. Professor, E&EE Dept, GNDEC, Bidar, India.
Prof. Rohini Dakulagi, Asst. Professor, E&EE Dept, GNDEC, Bidar, India.
Dr. Pradeep Kumar Singa, Assoc.. Professor, Civil Dept, GNDEC, Bidar, India.
Prof. Anjali Anuveer K, Asst. Professor, ISE Dept, GNDEC, Bidar, India.
Prof. Vimala Kulkarni, Asst. Professor, ISE Dept, GNDEC, Bidar, India.
Dr. Nagraj R G, Assoc.. Professor, Mechanical Dept, GNDEC, Bidar, India.
Dr. Math Shivalingayya, Asst. Professor, Physics Department, GNDEC, Bidar, India.

Haulasi
 (Dr. Veerendra Dakulagi)
 Conference Chair

HOD (E&CE)

PRINCIPAL
 Guru Nanak Dev Engineering College, Bidar

✓ 7

MEMORANDUM OF UNDERSTANDING

BETWEEN

UNIVERSITI TEKNOLOGI PETRONAS

AND

GURU NANAK DEV ENGINEERING COLLEGE,
BIDAR, KARNATAKA, INDIA



UNIVERSITI
TEKNOLOGI
PETRONAS



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Chief Nanak Dev Engg. College, Bidar

THIS MEMORANDUM OF UNDERSTANDING (hereinafter referred to as the "MoU") is made and entered into this day of 26th July 2021

BETWEEN: INSTITUTE OF TECHNOLOGY PETRONAS SDN. BHD. [Company No. 199501023672 (352875-U)], a company incorporated in Malaysia and having its registered address at Tower 1, PETRONAS Twin Towers, Kuala Lumpur City Centre, 50088 Kuala Lumpur (hereinafter referred to as "ITPSB");

AND: GURU NANAK DEV ENGINEERING COLLEGE, affiliated to Visvesvaraya Technological University (VTU), Belagavi Karnataka (VTU/ACA-LIC/2020-21/SO/10010/9), recognised by All India Council for Technical Education (1-7004940635/2020/EOA) located at Mailoor, Bidar, Karnataka, India (hereinafter referred to as the "GNDEC").

(ITPSB and GNDEC are hereinafter collectively referred to as "the Parties" and individually as "Party").

WHEREAS:

- A. ITPSB, a subsidiary of PETRONAS, owns and manages Universiti Teknologi PETRONAS (hereinafter referred to as "UTP"), a private higher learning institution established under Private Higher Educational Institutions Act 1996 located at Bandar Seri Iskandar, Perak.
- B. GNDEC is a Guru Nanak Dev Engineering College, Bidar, a premier center of Technical Education, was established in August, 1980 by the Prabandhak Committee, Gurudwara Sri Nanak Jhira Saheb, Bidar as per the Govt. of Karnataka Order No.ED 150 TEC 79, dated 8th August, 1980 located at Mailoor, Bidar, Karnataka.
- C. The Parties desire to establish a collaboration to enhance their respective scientific, academic, technical and engineering competencies and to develop beneficial programmes pursuant thereto (hereinafter referred to as the "Collaboration").
- D. The Parties have accordingly agreed to enter into this MoU to outline the understanding of the Parties in relation to the scope and objectives of the Collaboration and the respective rights and responsibilities of the Parties thereto.

NOW THEREFORE, the Parties hereby agree as follows:

1. SCOPE OF THE COLLABORATION

- 1.1 The Parties shall, at their discretion hereto, collaborate in the following areas:



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a) Academic Collaboration

- Joint organization of seminars, symposium, conferences and public lectures.
- Visiting Professor or Adjunct Lecture as part of the initiative on sharing of knowledge and expertise.
- Conducting and delivering short courses
- Developing joint degree programme for students, specializing in the areas of common interest.

b) Research Collaboration

- Joint Research and Development activities which may include sharing of facilities and equipment, and application of research grants.
- Joint Supervision for undergraduate and postgraduate students.
- Joint Publications of research articles and promoting social responsibility, exchange of publications, academic materials and other information.

c) Mobility Collaboration

- Staff Mobility Programme (including sabbatical, post-doctoral works, exchange or research attachment)
- Student Mobility Programme (including exchange, research attachment and summer programme)
- Student Internship Programme.

d) Any other activities that the Parties deem mutually beneficial.

In the event the Parties mutually agree to pursue any of the above mentioned activities, a separate written document shall be entered into to detail out the roles and obligations of the Parties.

- 1.2 Each Party shall use all means reasonably available to it subject to ordinary budgetary and financial constraints so as to ensure successful implementation of the Collaboration and the Parties shall use their best endeavour to collaborate in good faith to the best interest of all Parties.

2. CONFIDENTIALITY

- 2.1 The Parties agree that the Collaboration may involve the disclosure of certain confidential information of the Parties respectively. For the purpose of this MoU, the term "Confidential Information" refers to any and all information including but not limited to information pertaining to curriculum, courses, syllabus, teaching materials, research activities and technical information made available by a Party ("Disclosing Party") to the other Party ("Receiving Party") during the course of the Collaboration. All "Confidential Information" shall be marked or identified as "CONFIDENTIAL" in writing and in a conspicuous manner at the time it is disclosed to the Receiving Party.

2.2 The Receiving Party hereby covenants to keep in strict confidence all Confidential Information and undertakes not to divulge or disclose the Confidential Information to any third party without specific written permission of the Disclosing Party. The confidentiality obligations hereunder shall not apply to the Confidential Information which:

- a. is or has become obsolete or is already in the public domain without any breach of the provisions in Clause 2 herein;
- b. is already in the possession of the Party prior to the execution of this MoU;
- c. is independently developed or obtained by the Party;
- d. is obtained by the Party from any third party without confidentiality obligations; or
- e. a court of competent jurisdiction orders to disclose.

2.3 The provision of this Clause 2 shall survive the expiry or termination of this MoU.

3. INTELLECTUAL PROPERTY

3.1 For the purpose of this MoU, Intellectual Property Rights shall include all data, specifications, materials, research activities and technical information solutions, drawings, know-how and technical information developed, obtained, created, written, prepared or discovered, whether patentable nor not, arising from the Collaboration or otherwise brought into existence pursuant to this MoU.

Specifically:

- a) Background Intellectual Property Rights shall include any Intellectual Property Rights that are possessed by each Party prior to the commencement of this MoU and/or developed independently by the Parties. Any Background Intellectual Property Rights that are made available as between the Parties for the performance of the Collaboration shall remain the separate property of the Party making such Background Intellectual Property Rights available, and nothing in this MoU shall be construed to grant any implied license to the other Party to use such Background Intellectual Property Rights other than in performance of this Collaboration.
- b) Foreground Intellectual Property Rights shall include any Intellectual Property Rights that arise, or are obtained or developed, created, written, prepared and discovered jointly by the Parties, arising or otherwise brought into existence pursuant to this Collaboration.

3.2 The ownership of all Foreground Intellectual Property Rights arising out of the Collaboration shall be expressly subject to a separate written agreement to be mutually agreed by the Parties.



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4. DURATION, TERMINATION AND WITHDRAWAL

4.1 Duration

- a. This MoU shall come into effect upon signing by the Parties and remain in force for a period of five (5) years. The Parties may, by a three (3) month written notice to the other before expiry of the MoU, apply to extend this MoU on mutually agreed terms failing which this MoU shall lapse and shall be of no further effect and neither Party shall have any further claims against the other thereafter.
- b. Without prejudice to the provisions in (a) above, the Parties may in the course of implementation of the terms of this MoU, execute a formal Collaboration Agreement or any other such written agreements in respect of any developments and/or expansion to the scope of the Collaboration arising from the MoU.

4.2 Termination and Withdrawal from the MoU

- a. Either Party may terminate or withdraw from this MoU for any reason whatsoever by providing to the other Party a three (3) month written notice of its intention to terminate or withdraw from this MoU.
- b. Upon termination of this MoU, neither Party shall be liable to the other in respect of any claims, damages, costs or expenses of any nature except for those rights arising from Clause 2 herein before provided.

5. COST AND EXPENSES

- 5.1 Unless otherwise specified in writing, each Party shall bear its own costs and expenses incurred in preparing, executing and implementing the collaboration under this MoU.
- 5.2 Each Party shall bear its own solicitor's costs in the preparation and stamping of this MoU.

6. DISCLAIMER

Each Party shall be solely responsible for its own acts and omissions (and the acts and omissions of its directors, employees, consultants and other agents) and no Party shall have the authority, nor shall it purport to act for, or legally binding, the other Party in a transaction with a third party except as authorised in writing by the Parties.



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7. GOVERNING LAW

This MoU shall be governed by and construed in accordance with the laws of Malaysia.

8. RELATIONSHIP OF THE PARTIES

Nothing contained in this MoU shall be construed as establishing or creating between the Parties a relationship of master-and-servant or of principal-and-agent. The relationship between the Parties shall be that between equal independent contractors.

9. NON-BINDING OBLIGATIONS

9.1 The Parties do hereby agree, declare, covenant and undertake that this MoU outlines the understanding between the Parties with regard to the subject matter herein and may be subject to change or variation at the absolute discretion of the Parties herein, in the course of implementation of the collaboration, provided always that such discretion is exercised only upon mutual consent of the Parties.

9.2 The Parties do further hereby agree, declare, covenant and undertake that except where it is specifically provided herein, the MoU is not intended to create any legal obligations and shall not be legally binding on the Parties hereto.

10. NAME, OFFICIAL EMBLEM AND LOGO

10.1 Neither Party shall use, nor permit any person or entity to use the name, acronym, official emblem, logo trade mark (or any variation thereof) or other Intellectual Property (hereinafter referred to as "Brand Materials") that is/are identified with or belongs to the other Party on any publication, document, paper, audio or visual presentation, or for publicity purposes.

10.2 Any use of the Brand Materials for the purposes stated in Clause 10.1 above shall first obtain the written consent of the other Party and shall comply with all reasonable instructions as to the use of the other party's Brand Materials.

11. MISCELLANEOUS

11.1 The official language to be used for execution and cooperation under this MoU shall be English.

11.2 Any amendment or modification to this MoU shall be made upon mutual consent of the Parties vide a written notice executed by the duly authorised representative(s) of each Party hereto.

11.3 A waiver of any of the rights or remedies available to any Party hereto shall not be valid and effective unless expressed in writing and executed by the duly authorised



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representative(s) of the Party. Such a waiver by any of the parties hereto shall not be construed as a waiver in respect of any other breach, antecedent or future.

- 11.4 Each Party shall be solely responsible for their respective tax implications (if any) arising out of the performance of the terms and conditions of this MoU.
- 11.5 The Parties may sign this MOU in one (1) or more counterparts by the duly authorised representatives of the Parties, each of which constitutes an original and all of which taken together shall constitute the MOU.
- 11.6 The Parties may sign and deliver this MOU by facsimile or by emailed portable document format ("PDF") document (or other mutually agreeable document format), and a reproduction of this MOU with a Party's signature made by facsimile or PDF, sent by facsimile or email shall have the same effect as and be enforceable as a signed and delivered original version of this Agreement.
- 11.7 The Parties hereby consent to electronic communication and electronic/digital signature being equal to signatures inked on paper. The Parties acknowledge and agree that electronic communication is an acceptable method of communicating information from a Party to the other Party without having to communicate the same on paper. Any communication and subsequent electronic/digital signature that has been sent or signed in the past, present or future between the Parties will hold the same in full force and effect as a document signed and inked on paper.

12. NOTICES

- 12.1 Any notice required to be delivered hereunder shall be sent to the Parties at the following respective addresses:

(i) If to ITPSB:

Address : Universiti Teknologi PETRONAS
32610 Seri Iskandar, Perak, Malaysia
Telephone No : 1-300-22-8887
Facsimile No : +605-3688151
E-Mail Address : alliance@utp.edu.my
Attention to : Chief Strategy Officer

(ii) If to GNDEC:

Address : GURU NANAK DEV ENGINEERING COLLEGE
Mailoor Road, Bidar, Karnataka - 585403
Telephone No : +918482-226949
Facsimile No : +918482-228273
E-Mail Address : principal@gndecb.ac.in
Attention to : Dr. Ravindra Eklarker



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- 12.2 Every notice or communication so sent shall be considered to have been received upon actual receipt.
- 12.3 Any Party may substitute or change its address by written notice to the other Party.

[END OF CLAUSES]



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IN WITNESS WHEREOF, the Parties hereto have caused this Memorandum of Understanding to be executed by their respective duly authorised representatives on the day and year first above written.

For and on behalf of
INSTITUTE OF TECHNOLOGY PETRONAS SDN. BHD.

By :
Name : Prof.Dr. Mohamed Ibrahim Abdul Mutalib
Designation : Vice Chancellor and CEO

In the presence of :
Name : Zaimizi Hamdani @ Hj. Othman
Designation : Chief Strategy Officer

For and on behalf of
GURU NANAK DEV ENGINEERING COLLEGE, INDIA

By :
Name : Dr.Ravindra Eklarker
Designation : Principal

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Guru Nanak Dev Engg. College
BIDAR



In the presence of :
Name : Dr. Pradeep Kumar Singa
Designation : Associate Professor

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Guru Nanak Dev Engg. College, Bidar

CERTIFICATE of Completion

This is to certify that

MOHD ASHFAQ AHMED

from

GURU NANAK DEV ENGINEERING COLLEGE BIDAR, INDIA

has successfully completed

Virtual Research Attachment Program

from 1 February 2022 to 30 June 2022

at

Universiti Teknologi PETRONAS

Topic:

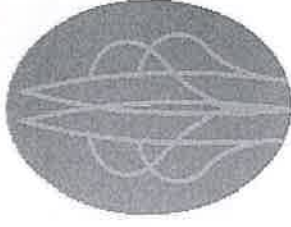
Experimental Investigation to Enhance the Efficiency of Porous Concrete

Prof. Dr. Nasir Shafiq
Supervisor

Civil & Environmental Engineering
Universiti Teknologi PETRONAS

Assoc. Prof. Dr. Nurlidia Bt Mansor
Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS



UNIVERSITI
TEKNOLOGI
PETRONAS

Shawzi
PRINCIPAL

Guru Nanak Dev Engg. Coll.

CERTIFICATE

of Completion

This is to certify that

MOHAMMED ZIYA UL HASSAN

from

GURU NANAK DEV ENGINEERING COLLEGE BIDAR, INDIA

has successfully completed

Virtual Research Attachment Program

from 1 February 2022 to 30 June 2022

at

Universiti Teknologi PETRONAS

Topic:

Experimental Investigation to Enhance the Efficiency of Porous Concrete



Prof. Dr. Nasir Shafiq
Supervisor

Civil & Environmental Engineering
Universiti Teknologi PETRONAS

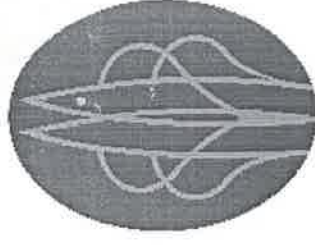


Assoc. Prof. Dr. Nurlidia Bt Mansor
Senior Director

Centre for Student Development
Universiti Teknologi PETRONAS



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Contents lists available at ScienceDirect

Journal of Sea Research

journal homepage: www.elsevier.com/locate/seares

Optimization of palm oil mill effluent final discharge as biostimulant for biodegradation of tapis light crude petroleum oil in seawater

Khalid Sayed^{a,*}, Lavania Baloo^a, Shamsul Rahman B.M. Kutty^a, Wesam Al Madhoun^b, Mubarak Usman Kankia^a, Ahmad Hussaini Jagaba^a, Pradeep Kumar Singa^c

^a Civil and Environmental Engineering Department, Universiti Teknologi PETRONAS, Seri Iskandar, Perak 32610, Malaysia

^b Faculty of Civil Engineering and Built Environment, Universiti Tun Hussein Onn Malaysia, 86400 Parit Raja, Johor, Malaysia

^c Civil Engineering Department, Guru Nanak Dev Engineering College, Bidar, Karnataka 585403, India

ARTICLE INFO

Keywords:

Seawater
Biodegradation
Tapis light crude petroleum oil
Petroleum hydrocarbons
Palm oil mill effluent final discharge (POME FD)
Response surface methodology (RSM)

ABSTRACT

This study investigated the biodegradation of Tapis light crude petroleum oil (TLCO) in coastal seawater samples utilising palm oil mill effluent final discharge (POME FD) as biostimulant using rotatable central composite design (CCD) under response surface methodology (RSM). In a 23-day study, the independent variables (factors) were initial TLCO concentration, POME FD dosage, and incubation time, and the dependent variable (response) was TLCO biodegradation. The residual TLCO analysis was carried out using the gravimetric method, which was then verified by GCFID. The gravimetric analysis produced a coefficient of determination ($R^2 = 0.9764$) and a probability value ($P < 0.0002$) indicating significance for the regression model. Similarly, the GCFID analysis identified a coefficient of determination ($R^2 = 0.9973$) and a probability value ($P < 0.0001$) indicating significance for the regression model. Numerical optimization based on the desirability function was performed, gravimetric and GCFID analyses revealed errors of 4.81% and 1.04%, respectively.

1. Introduction

Due to advances in biotechnology, bioremediation has become one of the fastest developing fields of environmental restoration (Petric et al., 2022; Sharma et al., 2022; Wartell, 2022; Zahed et al., 2010b). Malaysian coastal waters intermittently faces rare incidents of marine oil spill (Munirah and Zaideen, 2019; New Straits Times, 2020; Sayed et al., 2021c; Star, 2018). Petroleum hydrocarbon oil pollution in coastal seawater off Malaysia occur in three ways (Sayed et al., 2021a). The first is disposal of treated petroleum refinery effluent in seawater by marine outfalls, second is rare vessel accidents containing petroleum oil spill in seawater, and third is crude oil exploration activities in offshore rigs (Sayed et al., 2021a). All of these activities have increased the vulnerability of Malaysian coastal waters to petroleum hydrocarbon oil pollution (Nkem et al., 2016; Sayed et al., 2021c; Zakaria et al., 2001). The environmental issues that have recently affected the Strait of Malacca are marine oil pollution from shipping operations (Munirah and Zaideen, 2019; Sayed et al., 2021c) and others (New Straits Times, 2020). The concerns, mainly the accident or operational releases of toxic petroleum hydrocarbons, are severe problems with Strait of Malacca, as

they can affect humans by entering food chain (biomagnification) and marine environment (National Academies of Sciences Engineering and Medicine, 2020; Sayed et al., 2021a, 2021b, 2021c).

Approximately, 7 million tonnes, from roughly 140 major global oil spills, has been spilled into the surface waters (Li et al., 2016a). Also, millions of tonnes of petroleum hydrocarbons are spilled every year through natural seepages and abundant oil wells (Bôto et al., 2021; Sayed et al., 2021b; Speight, 2018). Many physicochemical technologies are used to clean-up the spilled oil in seawater (Sayed et al., 2021a, 2021b; National Academies of Sciences Engineering and Medicine, 2020). The available techniques for petroleum oil spill clean-up in seawater are unable to completely remove emulsified oil that has concentration $<5\%$, which is a residual leftover of physical-chemical clean-up techniques (Bôto et al., 2021; Sayed et al., 2021b; National Academies of Sciences Engineering and Medicine, 2020; Zafirakou et al., 2018; Li et al., 2016b). Clean-up of oil spills containing petroleum hydrocarbons in water bodies to stable products or less toxic compounds can be achieved with bioremediation (biostimulation) (Li et al., 2016a; National Academies of Sciences Engineering and Medicine, 2020; Sayed et al., 2021b). The biostimulant used in bioremediation has numerous

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E-mail address: khalid_19000239@utp.edu.my (K. Sayed).

<https://doi.org/10.1016/j.seares.2022.102268>

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1385-1101/© 2022 The Authors. Published by Elsevier B.V. This is an open access article under the CC BY-NC-ND license (<http://creativecommons.org/licenses/by-nc-nd/4.0/>).

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- 4) With the help of the Institute, shall get all the willing students of the Institute, to "sign up" with the Unacademy platform across all categories like GATE, ESE, CAT, UPSC, Bank Exams, CRT Trainings, SSC, etc..
- 5) Negotiate with Unacademyall to get the best possible scholarships & sponsorships to the learners & Institute.
- 6) Arrange Seminars, Webinars on a regular basis, to keep subscribed learners motivated & participate in their learning through Unacademy.

1. CONFIDENTIAL INFORMATION

1.1 "Confidential Information" shall mean any confidential information data, know-how, employee data, or any other confidential information including all the leads and all the data/ content/ information provided by the disclosing Party ("**Disclosing Party**") to the receiving Party ("**Receiving Party**") herein under in writing, orally or in any other form, media whether marked as confidential or proprietary. Notwithstanding the foregoing, confidential information shall not include information which:

- 1.1.1 Is known to the Receiving Party at the time of disclosure
- 1.1.2 Is rightfully received by the Receiving Party from a third party without the restriction of the disclosure
- 1.1.3 Is disclosed pursuant to a judicial order, requirement of a government agency, or by operation of law

1.2 The Receiving Party agrees that it will not disclose the confidential information to any third party and will not use the confidential information other than for the performance of its obligation under this Agreement. The Receiving Party agrees that the confidential information shall at all times remain the sole property of the disclosing party and that thereceiving party shall take all reasonable precautions to prevent any unauthorized disclosure of the confidential information by any of its officers, employee or any person that has access to the confidential information.

1.3 The Receiving Party agreed and understands that the confidential information constitutes valuable, special, and unique assets of the business of the Company. Accordingly, the Receiving Party agrees that, in the event of any breach of the confidentiality obligations under this Agreement, in addition to any other remedies at law or equity, Disclosing Party shall be

MEMORANDUM OF UNDERSTANDING (MOU)

This Memorandum of understanding is entered on (Date:) _____ between

(Institute Name) Guru Nanak Dev Engineering College, Bidar (KA)
having its registered office at (Address) Malloor Road Bidar

_____, (hereinafter called
"Institute" or "First Party"

And

KNR EDU SERVICES PVT LTD, a company incorporated under the provisions of Companies Act, 2013, bearing PAN AAICK3069Q and having its registered office at H.No.7-2-1453, TRT-1198, PIH COLONY, SANATH NAGAR, HYDERABAD, TELANGANA-500018, is an Official Channel Partner of Unacademy, hereinafter called as "Channel partner of Unacademy" or "Channel Partner" or "Second Party"

WHEREAS:

- (A) Unacademy is an online education platform that enables users to watch and upload educational videos. Unacademy developed an online live streaming platform **plus.unacademy.com** ("Platform") wherein educators can conduct live classes without being in the immediate physical proximity of the Learners via a live stream. By using this feature, learners will have access to classroom teaching and course material on the Website/Platform from anywhere in the world.
- (B) Channel Partner of Unacademy entered **Collaboration with Unacademy** as a Business Representative, to carry out Promotional, Marketing activities and to provide business to Unacademy across India.
- (C) Channel Partner in its capacity can negotiate with Unacademy for any bulk deals from the Institute in all categories from Unacademy such as GATE, ESE, CAT, UPSC, Bank exams, SSC, etc., exam preparation. The subscription cost of a learner, in this case, shall be discussed on a case-to-case basis, however, Unacademy reserves the right to set the final subscription cost for each deal.



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- (D) This MOU constitutes the agreement between the Parties, supersedes all prior written or oral and all contemporaneous oral agreements, understandings, and negotiations concerning the subject hereof.
- (E) All notices and other communications given or made under this MOU shall be in writing and shall be deemed effectively given:
- Upon personal delivery to the Party to be notified.
 - Sent by confirmed electronic mail or facsimile.
- (F) Channel Partner was given the right to collect payments from the institute/interested learners, for the same Invoice will be raised by Unacademy to Channel Partner.
- (G) "Platform" shall mean "<https://unacademy.com/plus/>" and will include any other Platform in Unacademy Group.

NOW, THEREFORE, IT IS AGREED BETWEEN THE PARTIES AS FOLLOWS:

First Party:-

- 1) The Institute shall cooperate with the Second Party, to promote the e-learning services provided by Unacademy to the students in the Institute and its subsidiary/ branches.
- 2) The Institute shall procure details of the Learners interested in subscribing to the content on the Platform, the form of a list comprising name, email ID, and phone number of the students, in the case of minors the email ID and the phone number of the legal guardian have to be shared ("List") and further share this List with the Second Party.

Second Party:-

- 1) Upon mutual consent, release funds as sponsorships to the Institute.
- 2) Arrange Seminars, Webinars on a regular basis to train & connect all students of the Institute to Advanced & Recent developments of Technology by Industrial and R&D experts.
- 3) To organize FREE Lectures to help students in their curriculum, Campus recruitment training, internships, placement assistance & campus placements through Eazy Btech YouTube Channel (<https://www.youtube.com/channel/UCprcm-hNJDUIW1WEu1fdxQ>), KNR Edu Services & its associates.



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Guru Nanak Dev Engg. College, ...

entitled to equitable relief, including injunctive relief and specific performance.


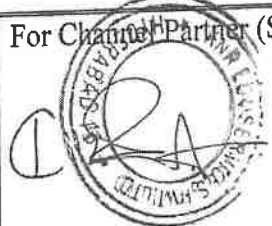
VALIDITY: The MOU shall be valid, initially for a period of 2 years, extendable by mutual consent.

GOVERNING LAW AND DISPUTE RESOLUTION: This MOU shall be governed by and construed in accordance with the laws of India, without reference to principles of conflict of laws and the courts in Hyderabad shall have exclusive jurisdiction to determine any dispute arising under this MOU.

TERMINATION

This MOU may be terminated by giving a notice of three months or the conclusion of ongoing programs, whichever is later, from either side.

This memorandum which is in 4 pages is signed on (Date): 6-12-2021 and exchanged.

For Institute (First Party)	For Channel Partner (Second Party)
Signature:  PRINCIPAL Guru Nanak Dev Engg. College BIDAR	 KN Rao
Name: Dr. Ravindra E	Managing Director
Designation: Principal	KNR Edu Services Private Limited
Institute Name: GNDEC, Bidar.	



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Guru Nanak Dev Engg. College Bidar



ACCEPTENCE TO ORGANISE
UN ACADEMY FREE LIVE
CAREER GUIDANCE

Inbox



SAIPRASAD KAKUM... 7/12/2021

to placement, principalgndecb



Respected Principle Sir ,
& TPO
GND ENGG COLLEGE BIDAR

Thanq very much for sending your proposal to organise A
CAREER GUIDANCE PROGRAM .

Here is our Acceptance from KN RAO Sir & TEAM from
UN ACADEMY HYDERABAD to Organise the FREE LIVE
CAREER GUIDANCE PROGRAMME AT YOUR CAMPUS ON
9TH DECEMBER THURSDAY FROM 4PM TO 5PM VIA
ONLINE MODE AS A PART OF THE CLASSROOM AT YOUR
CAMPUS FOR your Students of 2nd , 3rd yr & 4th yr of all
branches.

whose details are here please.

Program :

UN ACADEMY LIVE CAREER GUIDANCE SESSION: for
GND ENG COLLEGE KARNATAKA .

DURATION : 45 min to 1hour

ABOUT : CAREER GUIDANCE TO ENGG STUDENTS (
IMPORTANCE OF HIGHER STUDIES , SCIENTIFIC & CORE
JOBS)



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Dashboard

My schedule

Plus courses

Free live classes

Cloud

Live courses

388

Free live classes

2.5K

Live courses

9.6K

Free live classes

22K

New Special Class Live learners

822



How it Works?

New Special Class Live Learners or NSCLLs are those users who watch your live Special Class for at least 5 minutes as their first activity



Alerts

3



Wrong attire

No show

Late appearance

Classes rescheduled immediately

Future classes rescheduled

Delayed breaks

0

0

2

1

0

0

Referrals

1



Get the educator app >

Other links >

Shanvi

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Gurukul Kangri College, Bidar

**MEMORANDUM OF UNDERSTANDING
(MOU)**

Between

KNOWZA Consulting & Training Solutions

And

Guru Nanak Dev Engineering College – Bidar

For

**‘English Language Communication Skills (ELCS) and Soft Skills
Modules’**

-: Online Classes: -

.... Redefining CRT.....

Designed & Inducted by

... in the ministry of enhancing skills, crafting careers & retention solutions



PRINCIPAL
Guru Nanak Dev Engg. College Bidar

Regd. Office: 204, 2nd floor, VG Enclave, Road No 10, Banjara Hills, Ibrahim Nagar, Hyderabad – 500034

knowzasolutions@gmail.com

Mobile No- 9989842133

KNOWZA Consulting & Training Solutions

origin & existence of KNOWZA.

Our modules and learning techniques are highly effective, which gives KNOWZA its due recognition.

We, at KNOWZA are passion driven, innovative and strive hard to deliver the content with easy-to-understand techniques & ensure the participants achieve their personal goals.

Our Mission:

Our Mission is to bridge the gap between industry expectation and the current level of skills in India. We are committed to develop our young aspirants, teachers & employees to be more competent and partner them to design their career and growth successfully.

Our Vision:

Our Vision is to up-skill students, empower teachers & develop competent workforce to meet the high demands of the industry and improve their efficiency, productivity and profitability. To become a leading 'Learning & Development' service provider in India.

Our Modules & Workshops:-

- ☐ **K-EDGE - ELCS and Soft Skills [Online | Onsite] Modules** for B. Tech / MBA / MCA / Pharmacy / Degree college students.
- ☐ **Personality Development, Leadership & Personal Branding Workshops** for Institutes & Companies.

As there is a huge gap between industry expectations and the student's skill set in general, there is a need to facilitate the students/aspirants to acquire skills to make them industry ready...

Solution:

The '**K-EDGE ELCS and Soft Skills Modules**', *redefines CRT*

Course Mentored by:

KNOWZA -Certified trainers only

Our CRT Modules Advantage:

- To inject a sense of feeling valued and respected
- To build self-esteem and confidence to be able to overcome emotional barriers and to

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knowzasolutions@gmail.com

Mobile No- 9989842133


PRINCIPAL
Guru Nanak Dev Engg. College, Bida

KNOWZA Consulting & Training Solutions

party is at liberty to terminate it at any time, after furnishing to the other a written notice of termination 4 weeks in advance of the date on which the party furnishing such wishes to have the MOU terminated.

Confidentiality

The INSTITUTION agrees and confirms that all intellectual training material shall at all-time vest in and remains with and belong to the ASSOCIATE.

Provisions

- 2hrs per day for 30 days for B.Tech students for every batch totaling to 60 hrs per batch for ELCS & Soft Skills Training Program. In the process of execution, the ASSOCIATE shall deploy their trainers based on the average student strength during the course of program.
- The detailed course content and plan shall be shared separately with the placement officer of the INSTITUTION.
- The present MOU may be modified and/or amended at any time by the signatories, by mutual written MOU (through formal amendments)
- For the purpose of communication or notices with respect to this MOU, the INSTITUTION shall be represented by the placement officer and the ASSOCIATE by the Relationship Manager of the ASSOCIATE.

Unless otherwise specified in the Annexes, all the communication between the partners should be between the above representatives.

Statutory Compliance

This MOU is not intended to create a legal and binding obligation to expend funds or resources by either party, but is a statement of bonafide intend for the parties, It sets forth the entire understanding of parties in respect of the collaboration considered.

SIGNATORIES:

In witness hereof, the parties hereto have signed this MOU in original copy in English on the date(s) herein below indicated.


PRINCIPAL
Guru Nanak Dev Engg. College, Bidar

Regd. Office: 204, 2nd floor, VG Enclave, Road No 10, Banjara Hills, Ibrahim Nagar, Hyderabad – 500034

knowzasolutions@gmail.com

Mobile No- 9989842133

KNOWZA Consulting & Training Solutions

THE AGREEMENT

The Agreement made and entered into on 10th day of August 2021 between **Guru Nanak Dev Engineering College – Bidar, Karnataka** (hereinafter referred to as the “INSTITUTION” which expression shall where the contest so admits include its successors and permitted assigns) of one part.

AND

KNOWZA Consulting and Training Solutions, 204, 2nd Floor, VG Enclave, Rd No:10, Banjara Hills, Ibrahim Nagar, Hyderabad – 500034, (hereinafter referred to as “ASSOCIATE” which expression shall where the contest so admits include its successors and permitted assigns) of the other part.

This Agreement is operated through the permitted authority of the INSTITUTION and Managing Director of the ASSOCIATE

SCOPE

Whereas, the ASSOCIATE is engaged in providing English Language Communication Skills, Personality Development and Interview Preparation Training, and has strength in course development and delivery etc, particularly in the areas of Soft Skills and has approached the INSTITUTION to establish and effective relationship with the larger interest of the sector

and

Whereas, the INSTITUTION is a premier Educational Society, devoted in providing education services in Engineering and Technology in Computer Science, Electronics, Telecommunications, Information Technology and other related disciplines, has agreed for this mutual association. Now therefore in consideration of the previous and mutual covenants hereinafter contained, the parties hereto agree to jointly plan an effective role in skill enhancement of the Engineering students through class room and industry specific practical training ensuring quality delivery towards excellence.

About us

KNOWZA is a professionally administered company providing complete learning & development solutions right from school level through aspiring college students, teachers and corporate employees as well.

Inducing high standards to up-skill as per client's expectation is an open secret behind the

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knowzasolutions@gmail.com

Mobile No- 9989842133

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

KNOWZA Consulting & Training Solutions

feel they have the power to change things.

- To empower them to be creative and innovative with effective career planning strategies and methodologies with clear understanding of their roles and responsibilities.
- To enable the students to get off their self-doubt and inhibitions.
- To induce professional behavior in achieving their personal goals and success through improved performance.

Course Deliverance:

The workshop will be very interactive and premium is placed on delegates' participation. The sessions will be steered towards identification of skills that need attention for each delegate.

A variety of methods will be used both to enhance the concept knowledge and its practical application.

- ☐ Online training
- ☐ PowerPoint Presentation
- ☐ Training through simulated environment
- ☐ Individual & Group Feedback Sessions.

Training Requirements:

- ☐ **Maximum number of students is 60 per Class, for best results**
- ☐ The Training sessions will be conducted at the Venue, decided by our Client
- ☐ The participants should adhere to the timings.

Our Modules Duration:

K-Edge Basic CRT Program-60 hrs - Online Classes

Role of the INSTITUTION:

The INSTITUTION shall provide the available infrastructure and basic amenities such as Seminar halls / Class rooms, food, water, etc., suitable and ready for delivering the training courses and other activities in conjunction with the ASSOCIATE in scope.

The INSTITUTION shall provide a workable space/room with basic amenities for the staff of the ASSOCIATE to facilitate the training activities for successful outcome of joint activities

Role of the ASSOCIATE:


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knowzasolutions@gmail.com

Mobile No- 9989842133

KNOWZA Consulting & Training Solutions

Guru Nanak Dev Engineering College - Bidar

for and on behalf of *Guru Nanak Dev Engineering College - Bidar*

Signature: 

Name: Dr. Ravindra E

Designation: Principal

Date: 10 / 08 / 2021



KNOWZA Consulting and Training Solutions – Hyderabad

for and on behalf of *KOWZA Consulting and Training Solutions*

Signature: 

Name: Christine

Designation: Project Director

Date: 10 / 08 / 2021


PRINCIPAL
Guru Nanak Dev Engg. Coll. Bidar

Regd. Office: 204, 2nd floor, VG Enclave, Road No 10, Banjara Hills, Ibrahim Nagar, Hyderabad – 500034

knowzasolutions@gmail.com

Mobile No- 9989842133

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

Title- Soft Skills

Event Type: Offline


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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 Knowza Solution, Hyderabad. Following topics covered during the soft skills program.

Here are the topics and the commercial below:-

Public Speaking and Importance
Time and Team Management Skill
Introduction to Decision Making Skills
Setting Goals
Basic Grammar and Tenses
Problem Solving
Active and Passive
Critical Thinking
Direct and Indirect
Knowyourself-Self introspection Day
Day of Creativity- Preparation
Day of Creativity- Presentation
Introduction to Self Discipline and Focus
introduction to Proactive Attitude and Ownership
Class of Dramatics


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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


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EFYGROUP

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CIN No.: U74899DL1979PTC009763

EFY Enterprises Pvt Ltd

D-87/1, Okhla Industrial Area

Phase 1, New Delhi 11002

Ph: +91-11-4059660

Email: info@efy.in

Website: www.efy.in

EFY GROUP AT A GLANCE

PUBLICATIONS

- Electronics For You (efymag.com)
- Open Source For You (osfymag.com)
- Electronics Bazaar (eb.efy.in)

EVENTS

- India Electronics Week (indiaelectronicsweek.com)
- EFY Expo (efyexpo.com)
- IoTshow.in (iotsow.in)
- LEDAsia.in (ledasia.in)
- Test & Measurement India (tmi.com)
- EFY Conferences (conferences.efy.com)
- Open Source Intels (OSI Days) (osidays.com)

ONLINE PUBLICATIONS

- Electronicsforu (electronicsforu.com)
- OpenSourceForU (opensourceforu.com)
- eb2b.com (eb2b.com)
- electronicsb2b.com (electronicsb2b.com)

DIRECTORIES

- Electronics Industry Directory

ASSOCIATES

- Kits 'n' Spares (kitsnspares.com)

MEMORANDUM OF UNDERSTANDING

This MEMORANDUM OF UNDERSTANDING ("MOU") has been made and agreed upon on 15th September 2021 by and between EFY Enterprises Pvt Ltd, having its registered office at D-87/1, Okhla Industrial Area, Phase 1, New Delhi 11002 (hereinafter referred to as "EFY") of the one part, through its authorized representative, Shri. Ramesh Chopra and Guru Nanak Dev Engineering College with their registered office at Mailur Road, Mailoot, Bidar-585403, Karnataka, India (herein referred to as "ESDC" i.e. EFY Skill Development Centre), represented by Dr. Ravindra Eklarker, Principal for the specific purpose of establishing a training center between the two parties.

WHEREAS EFY is a media company and has a portfolio of Marketing Solutions (such as advertising & publicity through publications, events, websites, etc) and Knowledge Solutions (such as DIY Kits, Publications, Workshops, Seminars and Training Courses)

AND WHEREAS Guru Nanak Dev Engineering College is an educational institution located at Bidar, Karnataka, India.

This MoU is for a period of ONE year (12 months) from the date of signing of this agreement. Through this agreement, the two parties confirm their intent to collaborate with each other. Listed below are specific roles, responsibilities that define the MoU.

COLLABORATION'S OBJECTIVE:

The objective of this collaboration is to set up an EFY Certified Skill Development Centre (ESDC) at Little Flower Engineering Institute in partnership with EFY. The center will help students improve their hands-on skills, make exciting projects of their own and understand the latest technologies.

Shau...

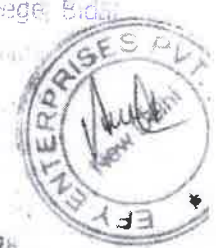
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Guru Nanak Dev Engg. College



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CIN No.: U74899DL1979PTC009763

EFY Enterprises Pvt Ltd

D-87/1, Okhla Industrial Area
Phase 1, New Delhi 1100

Ph: +91-11-405966

Email: info@efy

Website: www.efy

EFY GROUP AT A GLANCE

PUBLICATIONS

- Electronics For You (efy.in)
- Open Source For You (osforyou.com)
- Electronics Bazaar (eb.in)

EVENTS

- India Electronics Week (indiaelectronicsweek.com)
- EFY Expo (efyexpo.com)
- Iotshow.in (iotshow.in)
- LEDAsia.in (ledasia.in)
- Test & Measurement India (tmi.in)
- EFY Conferences (conferences.electronicshub.com)
- Open Source India (OSI Days) (osidays.com)

ONLINE PUBLICATIONS

- ElectronicsForU (electronicsforu.com)
- OpenSourceForU (opensourceforu.com)
- efyb2b.com (efyb2b.com)
- electronicsb2b.com (electronicsb2b.com)

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- EFY will also promote logo of your institution on all promotions of ESDC programs including our publications, websites, emailers, etc.

- EFY will provide a discount of 50% on its Ad Tariffs for any promotion that your institution does to Drive Enrolment for Graduation, or Post-Graduation Courses, or Industry Academia initiatives.

ROLES AND RESPONSIBILITIES OF ESDC:

- ESDC to use 'LF-EFY Skill Development Centre' as the name of the club.
- ESDC to provide space for the club in the college.
- ESDC to promote this collaboration through marketing channels available with them
- ESDC to make advance payment to EFY for all products and services solicited

COMMERCIALS:

- The overall annual tie-up cost will be INR 90,000 + GST, where applicable.
- The ESDC will bear the traveling and accommodation cost for the visits of EFY's technical expert(s) for visits other than the two official visits as stated above

CONFIDENTIALITY

Both parties agree that all confidential and/or proprietary information received from the other party or client shall be treated in a confidential manner and not disclosed to any third party or used for any commercial or business benefit during the term of this agreement and thereafter. The above clauses define the entire agreement. No other communication between either party can supersede the clauses defined here. If any of the parties are to modify the agreement subsequently, then they will have to do so through Annexure, which will have to be jointly signed by authorised representatives of both parties.

INDEMNITY

Both parties agree to indemnify and hold the OTHER PARTY, its directors, officers, employees, and agents from any and all liability, demands and losses (including attorney fees) of any nature in connection with its services provided.

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DELIVERABLES FROM EFY GROUP:

- EFY will provide 10 subscriptions (print publication) of Electronics For You magazine for your faculty members.
- EFY will provide an additional 10 subscriptions (print publication) of Electronics For You magazine for your Library.
- EFY will provide 100 subscriptions of e-zine edition to 100 designated students of your institution.
- EFY will provide access to 100 units of online courses which will motivate and train your students to be hands-on with electronics design and development by using popular prototyping boards such as Arduino and Raspberry Pi. Students will be able to select their own course from 10 different modules.
- EFY will provide Gold Pass access to EFY's Online Events platform (Tech World Congress) to 100 students and 10 faculty members. This access will enable them to attend LIVE tech and industry webinars, AND access archives of past sessions too.
- EFY will conduct 2 Annual Online Tests which can be given by 100 students and 10 faculty members, where they will get to test their knowledge on latest Tech Trends and Industry Trends.

BONUS DELIVERABLES

- EFY will provide Certificate of Attendance to all students who have consumed the 100 units of courses.
- EFY will provide Certificate of Appreciation to all who pass the Tech Trends or Industry Trends test by 75% or more score.
- EFY will cover any news from your institution related to electronics, IoT or Open Source on our web properties.
- EFY will publish an interview of your dean/director talking about vision, infrastructure strategy and investments on its website: www.electronicsforu.com, which is visited annually by a million-plus techies (including students and parents).
- EFY will recognise your institution as an EFY Skill Development Certified partner by awarding a certificate ad logo for the same and announcing it in the magazine and website.



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TERMINATION

This agreement can be terminated by either party giving the other party a notice of one month. Any termination of this agreement by either party shall be communicated in writing and shall specify the effective date thereof. Even after the termination, both parties will be expected to fully execute their roles and responsibilities set in this agreement and settle all payments due to each other. However, the tie-up cost of INR 1,25,000 will be non-refundable, in case the termination notice is served by ESDC.

LEGAL JURISDICTION

This MoU will be governed by and construed in accordance with the laws and regulations of the Honourable High Courts of New Delhi.

EFY Enterprises Pvt Ltd

For EFY Enterprises Pvt. Ltd.

Amit Kumar, Authorized Signatory

Manager- Accounts

Guru Nanak Dev Engineering College

Dr. Ravindra Eklarkar

Principal

Guru Nanak Dev Engg. College

BIDAR

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GURU NANAK DEV ENGINEERING COLLEGE, BIDAR

DEPARTMENT OF ECE

NOTICE

Date : 25/10/21

All the III sem students are hereby informed to attend practical Hands on Workshop on "Insight Into Electronic Circuits" on 28/10/2021.

Dr.Savita Soma

Vinutana Co-ordinator

HOD

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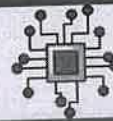
GURU NANAK D...

**ElectronicsForYou****GURU NANAK DEV ENGINEERING COLLEGE, BIDAR.**

IEEE Circuits and Systems Society Student Chapter of IEEE Student Branch
GNDECB in Collaboration with Vinuthana Lab, Dept of E&CE GNDECB
Organises One-day hands-on workshop on

Insight Into Electronic Circuits

Venue - BOTLAB , GNDECB.
Date - 30th of October (Saturday)



Prof. Ramesh Patil
Event Coordinator

Dr Savita Soma
Vinuthana Lab Coordinator

Dr.Md Bakhar
HOD, Dept of E&CE

Col.B.S. Dhaliwal
Director Academics

Dr. Veerendra Dakulagi
IEEE SB Counselor

Dr.Ravindra E
Principal, GNDECB

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GURU NANAK DEV ENGINEERING COLLEGE, BIDAR
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Title : Hands on Workshop on “Insight Into Electronic Circuits”

Date: 28/10/2021

Academic Year:2020-21

Event type:Offline

Place : ECE Dept, GNDEC Bidar.

Event Poster:

ElectronicsForYou

GURU NANAK DEV ENGINEERING COLLEGE, BIDAR.
IEEE Circuits and Systems Society Student Chapter of IEEE Student Branch
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Col.B.S. Dhaliwal
Director Academics
Dr. Veerendra Dakulagi
IEEE SB Counselor

Dr.Ravindra E
Principal,GNDECB

- **Agenda :** To give an insight into electronics by giving practical knowledge on applications of IOT and electronics to the students by conducting hands on Workshop on “Insight Into Electronic Circuits ”.

Details of program

A one day hands on session on “Insight Into Electronic Circuits” was held in ECE department for 3 rd semester students. The event was organized by Vinutana lab in collaboration with IEEE CAS students chapter GNDEC Bidar.


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In this workshop a brief overview of electronic components, IOT, many sensors used in IOT was described to the 3rd semester students by 5th semester students.

After theory session a hands-on session was conducted to give brief idea of how to install, run the program and connect sensors to arduino.

The Internet of things (IoT) describes physical objects (or groups of such objects) that are embedded with sensors, processing ability, software, and other technologies that connect and exchange data with other devices and systems over the Internet or other communications networks.

Arduino board designs use a variety of microprocessors and controllers. The boards are equipped with sets of digital and analog input/output (I/O) pins that may be interfaced to various expansion boards or breadboards (for prototyping) and other circuits. The boards feature serial communications interfaces, including Universal Serial Bus (USB) on some models, which are also used for loading programs. The microcontrollers can be programmed using the C and C++ programming languages, using a standard API which is also known as the Arduino language.

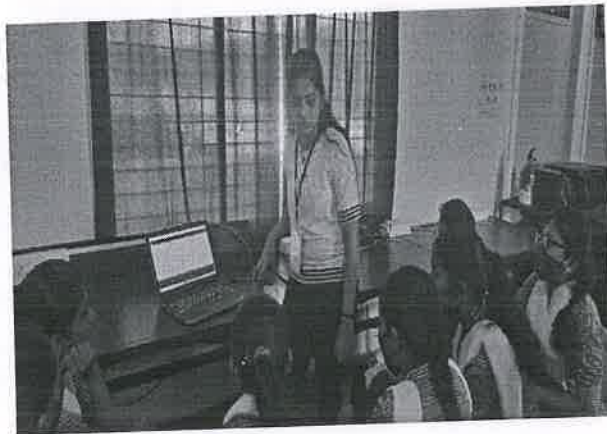
Outcome of the activity:

- Students have understood the application electronics.
- Students have gathered the knowledge about the importance of IOT and its applications.
- Students came to know how to use arduino, node MCU and interface with real world applications.
- They have learnt how to work in group
- Creativity of the students is improved.

- **Name of the Faculty : Dr.Savita Soma**
- **No of students attended: 59**
- **No of Faculty attended: 16**

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Glimpse of event



Dhanraj

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Vinulana Co-ordinator
Leib.

HOD.

Timestamp	Email Address	Score	Full Name	USN	Rate this Workshop Works beneficial hop to you ?	Any Suggestions
10-30-2021 11:35:04	mazhersalam@gmail.com	0 / 1	MAZHER US SALAM	3GN20EC026	6 Yeah	Idk
10-30-2021 11:35:05	anjalisajansheety@gmail.c	0 / 1	Anjali	3GN20EC007	10 Yes	
10-30-2021 11:35:17	reddybh02@gmail.com	0 / 1	Bhoomika	3gn20ec015	5 Yes	Nothing
10-30-2021 11:35:54	nikitavibhuti@gmail.com	0 / 1	NIKITA	3GN20EC036	10 Yes	Nothing
10-30-2021 11:36:40	shubhamshetkar46@gmail	0 / 1	Shubham dilip s	3GN20EC066	10 Yes	The way of explaining should b little bit improve I think
10-30-2021 11:36:47	maahireddy2002@gmail.c	0 / 1	Mahananda	3GN20EC022	10 Yes	It's good
10-30-2021 11:37:20	rakshitakulkarni2003@gm:	0 / 1	Rakshita kulkarni	3GN20EC047	1 Yes	Nothing
10-30-2021 11:37:22	nagarj.1948@gmail.com	0 / 1	Meenakshi	3GN20EC028	10 Yes	
10-30-2021 11:37:23	amulyasheelvant9@gmail.	0 / 1	Amulya	3GN20EC006	10 Yes	
10-30-2021 11:37:32	gangahiremathpallavihire	0 / 1	Pallavi	3GN20EC037	10 Yes	Nothing
10-30-2021 11:37:55	shravanisg172@gmail.con	0 / 1	Shravani	3GN20EC062	1 Yes	No
10-30-2021 11:38:47	gopalms.2002@gmail.com	0 / 1	Gopal	3GN20EC017	10 Yes	Keep going like this, not only for you but for everyone it's one of the best beginning that's started you guys, and thank you so much for today .
10-30-2021 11:39:01	ankitaindralle@gmail.com	0 / 1	Ankita Indralle	3GN20EC009	10 Yes	
10-30-2021 11:42:09	sharyubhadule731@gmail.	0 / 1	Sharyu	3GN20EC057	10 Yes	
10-30-2021 11:42:26	shubhammahindrakar11@	0 / 1	Shubham	3GN20EC065	10 Yes	
10-30-2021 11:42:56	nisarnd314@gmail.com	0 / 1	Mohd Nisar	3GN20EC027	10 Yes	
10-30-2021 11:44:21	vedkumathulgire@gmail.c	0 / 1	Vedkumar	3GN20EC083	10 Yes	
10-30-2021 11:44:41	prakrutishashidhar@gmail	0 / 1	S.Prakruti	3GN20EC049	10 Too much be	More time limit next time
10-30-2021 11:45:05	hudedaishwarya@gmail.cc	0 / 1	Aishwarya Huded	3GN20EC003	10 Yes	We want your advices and support to help us in upcoming projects.
10-30-2021 11:45:53	shreya.siddan15@gmail.cc	0 / 1	Shreya	3GN20EC064	10 Yes	More time limit for next time
10-30-2021 11:46:13	kaurritu00@gmail.com	0 / 1	Nenavath Ritu kour	3GN20EC035	10 Yes	No
10-30-2021 11:48:02	chandrakala.b.reddy1234@	0 / 1	Vaishnavi patil	3GN20EC082	9 Yes	Advice and support more

Shanvi

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Guru Nanak Dev Engg. College. Bidar

10-30-2021 11:50:11 hafsakhanam02@gmail.cc	0 / 1 Hafsa khanam	3GN20EC018	1 Yes it was be Nope
10-30-2021 11:52:37 shazyak1088@gmail.com	0 / 1 Shaziya	3GN20EC059	6 Probably yea Everything was quite gud
10-30-2021 11:53:57 saadabrar681@gmail.com	0 / 1 Mohammed Saad Abr	3GN20EC030	10 Yes
10-30-2021 11:55:08 mdfurqan0708@gmail.com	0 / 1 MOHAMMED FURQAN	3GN20EC031	1 yes
10-30-2021 11:58:11 siddhu2282002@gmail.com	0 / 1 siddharudha	3GN20EC068	10 yes
10-30-2021 12:14:42 nandinichangleri1999@gmr	0 / 1 Shankar	3GN20EC055	Make many more meeting like this for
10-30-2021 12:15:10 abhiabhishek9528@gmail.	0 / 1 ABHISHEK	3GN20EC001	10 Yes. It is very inspiring to students.
10-30-2021 12:22:18 tubashazmeen02@gmail.c	0 / 1 Tuba shazmeen	3GN20EC076	10 Yes
10-30-2021 12:22:39 swatipodishetty7070@gme	0 / 1 Swati	3GN20EC072	10 Yes
10-30-2021 12:31:03 harshadongave@gmail.coi	0 / 1 Harshavardhan	3GN20EC019	9 Yes
10-30-2021 12:33:03 kavyaraga101@gmail.com	0 / 1 Kavya raga	3GN20EC020	9 Yes
10-30-2021 12:39:54 anjalimethre48@gmail.con	0 / 1 Anjali	3GN20EC008	8 Yes
10-30-2021 13:06:00 kamranrafey6@gmail.com	0 / 1 KAMRAN ABDUL RAF	3GN19EC014	8 Yeah
10-30-2021 13:12:15 nidvanchevaishnavi@gma	0 / 1 Vaishnavi Nidvanche	3GN20EC081	9 We learn some new things new ideas
10-30-2021 13:17:04 vaishnavijadhav.53931@g	0 / 1 Vaishnavi	3GN20EC080	10 Yes
10-30-2021 13:47:15 vidhyavasan2002@gmail.c	0 / 1 S.Vidhya Lakshmi	3GN20EC084	No
10-30-2021 14:34:56 atifshazeb02@gmail.com	0 / 1 Atif shazeb	3GN19EC007	Nothing, it was super
10-30-2021 15:51:08 charanhonna19@gmail.co	0 / 1 Charan	3GN20EC016	More projects to be done
10-30-2021 18:15:19 sudhikshas87@gmail.com	0 / 1 Sudhiksha	3GN20EC070	9
10-31-2021 16:31:47 sp1446711@gmail.com	0 / 1 Swati	3GN20EC071	8 definitely
10-31-2021 16:33:59 bhagyasai645@gmail.com	0 / 1 Bhagya	3GN20EC014	9
11-1-2021 19:10:49 venkatmotati943@gmail.α	0 / 1 M Nikita	3GN20EC021	7 Yes
11-3-2021 9:15:37 shradhapn20@gmail.com	0 / 1 Shardha	3GN20EC056	No
12-17-2021 14:05:07 sheetalpande30@gmail.co	0 / 1 Sheetal Pande	3GN20EC060	No
12-17-2021 14:07:54 shivanimannale@gmail.co	0 / 1 Shivani	3GN20EC061	No suggestions
12-18-2021 17:40:57 preranaballur@gmail.com	0 / 1 Prerana	3GN20EC040	More time for next time
			More time next time
			No

Shanvi

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