



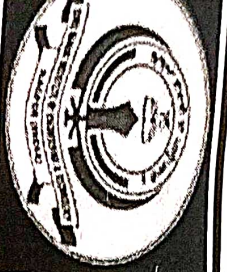
Guru Nanak Educational Society's
**GURU NANAK INSTITUTE
OF ENGINEERING & TECHNOLOGY**

APPROVED BY AICTE, DTE & AFFILIATED TO RTM NAGPUR UNIVERSITY, NAGPUR
Dahegaon, Opp IOC Petrol pump, Kalmeshwar Road, Nagpur- 441501 Ph. 07118-661400
Website: www.gniet.ac.in E-mail: gnietnagpur@gmail.com



List of Activities under MoUs during the year 2018-19

Sr. No	Name of the MoU / Collaboration / linkage	Name of the Department	Year of signing MoU / collaboration / linkage	Duration of MoU / collaboration / linkage	List the actual activities under each MOU and web -links year-wise
1	Embedded Creations Educational Wing of RM group of companies	Electronics & Telecommunication Engineering	2018-19	3 Year	Workshop
2	Prolific Systems & Technologies Pvt. Ltd.	Electrical Engineering	2018-19	3 Year	Workshop



GURU NANAK INSTITUTE OF ENGINEERING & TECHNOLOGY



Online workshop
on

“EMBEDDED TECHNOLOGY”

Venue: T2
Auditorium

- Organized by
Department of
Electronics and Telecommunication
- Engg. in association with
• R&D Cell, GNIET

Date
05/04/2019
Time
10.00 am

Prof. Sucheta Raut
HOD,ETC,GNIET

Dr. S. Srivastava
Principal
GNIET



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Invitation Letter

To,
Mr. Deny Bobade
General Manager
Embedded creation Nagpur

30/03/2019

Dear sir

GNIET, Nagpur established in 2007 by GNES society is one of the top Engineering Colleges affiliated to RTMNU, Nagpur, approved by All India Council for Technical Education, New Delhi and Director of Technical Education, Maharashtra, accredited by National Assessment and Accreditation Council and certified by ISO. GNIET offers best quality technical education to produced skilled technical manpower meeting international standards and global requirements ensuring optimal utilization of available resources. We are committed to nurture the required expertise under one roof by creating competent and motivated technocrats and managers of tomorrow, who will use their technical knowledge and managerial qualities to confidently and successfully lead the organization.

It's my pleasure to inform you that, Electronica and Telecommunication Department in collaboration with , Research and Development Cell and Institute Innovation Council, GNIET is organizing One Day workshop on Embedded Technology. We are delighted to invite you to conduct technical session during this visit to enlighten our faculty members and students with your valuable knowledge of Embedded Technology..

We hope you will accept our request for this invitation and help our faculties and students to gather knowledge about Embedded Design & application in Electronics Engineering.

Following are the details of your schedule.

Topic of workshop: Workshop on Embedded Technology

Date: -05/04/2019

Time: -10.00 am onwards

Thank & Regards,

Principal,
GNIET Nagpur

Principal
Guru Nanak Institute of
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Department of Electronics and Telecommunication Engineering

Session 2018-19

Date:-04/04/2019

NOTICE

All the Students of GNIET (ETC, CSE, EE) are here by informed that the Department of Electronics and Telecommunication Engineering is organizing a one day online workshop on "Embedded Technology" on 05/04/2019 at 10.00 a.m.

So it is mandatory for students to attend the same.

Venue: T2 Auditorium Hall, GNIET, Nagpur

Time 10.00 am

Prof. Deepak Deshpande
Co ordinator

Prof. Sucheta Raut
HOD,ETC

Dr. S. Srivastava
Principal

Copy to (information):-

1. Hon. Chairman, GNES
2. Hon. Principal, GNIET
3. Vice. Principal, GNIET
4. All HOD'S in various Department of GNIET

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Nagpur-441501



Report on Embedded technology Workshop Academic Year 2018-19

Date:05/04/2019

Activity under MOU signed between Embedded Creations & GNIET

Resource person: Mr. Deny Bobade, Director, Embedded Creations, Nagpur

Co-ordinator: Mr. Deepak Deshpande, Asst. Professor, ETC, Nagpur

Duration : One Day

About workshop:

The six day intensive workshop on embedded systems conducted by Embedded Creations, Nagpur to involve students in a cohesive drive with the academia and industry towards excellence in embedded systems technology. This workshop is an attempt to cover material relevant to giving students necessary knowledge and skill set to appreciate the rapid changing scenario in embedded systems and take advantage of this in furthering their career. Practical/laboratory sessions are held, which will supplement the knowledge disseminated during the lecture sessions with adequate hands on experience.

Skills Gained

After completing this workshop, students are able to:

- Target and optimize 8 bit microcontrollers by using Embedded C and assembly language Target and optimize 8 bit PIC by using Embedded C
- Target and optimize 32 bit ARM by using Embedded C
- Use internal peripherals of a microcontroller/ARM such as Timers, Interrupts and UART /RTC.
- Create and manage designs by using the Keil software design environment Interface external peripherals such as motor driver, keypad, LCD etc

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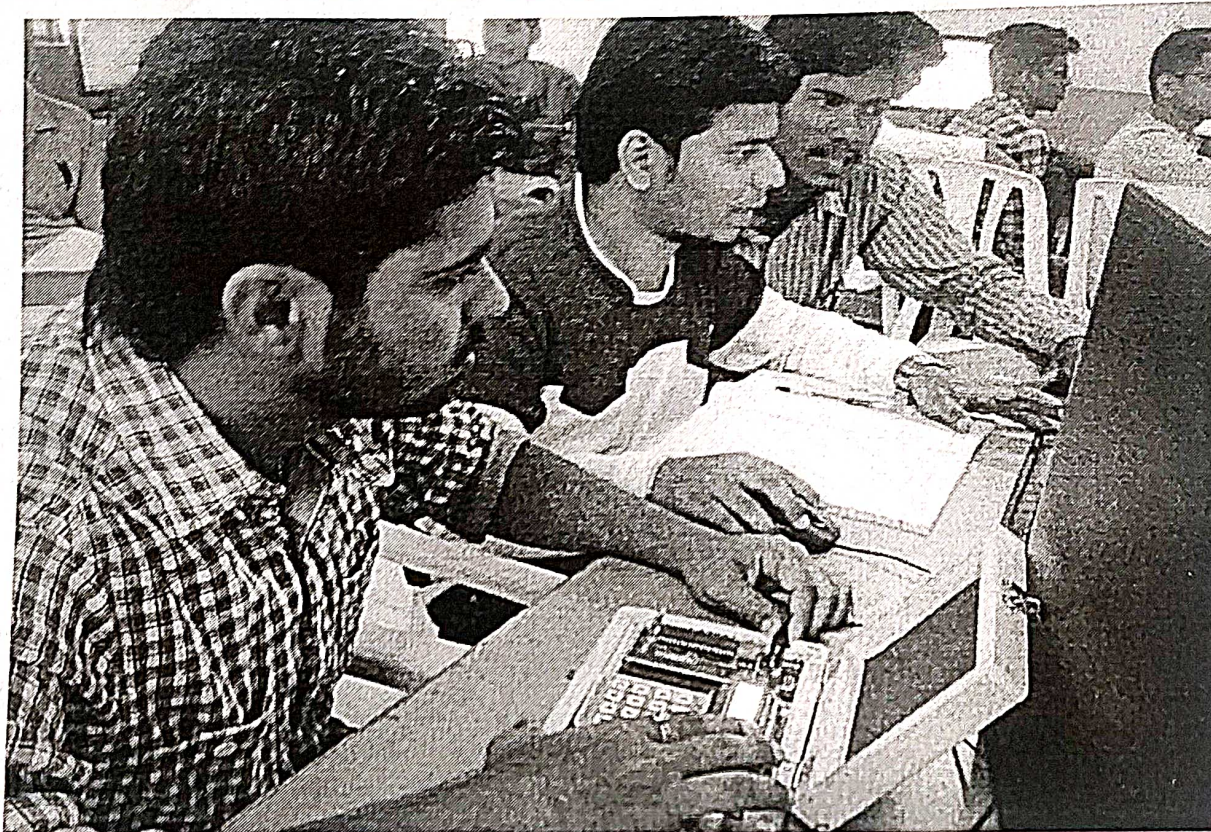
Course content:

Micro-controller design using C:


- 1) Pin Diagram, Block Diagram 8051, Timing and Clock, Reset circuit
- 2) Memory Architecture
- 3) Addressing Modes
- 4) LED interfacing, Multiplexing 7-segment Display
- 5) Keypad Scanning without interrupt
- 6) Timer, Counter and serial communication
- 7) LCD interfacing,
- 8) UART and RS232 Interfacing

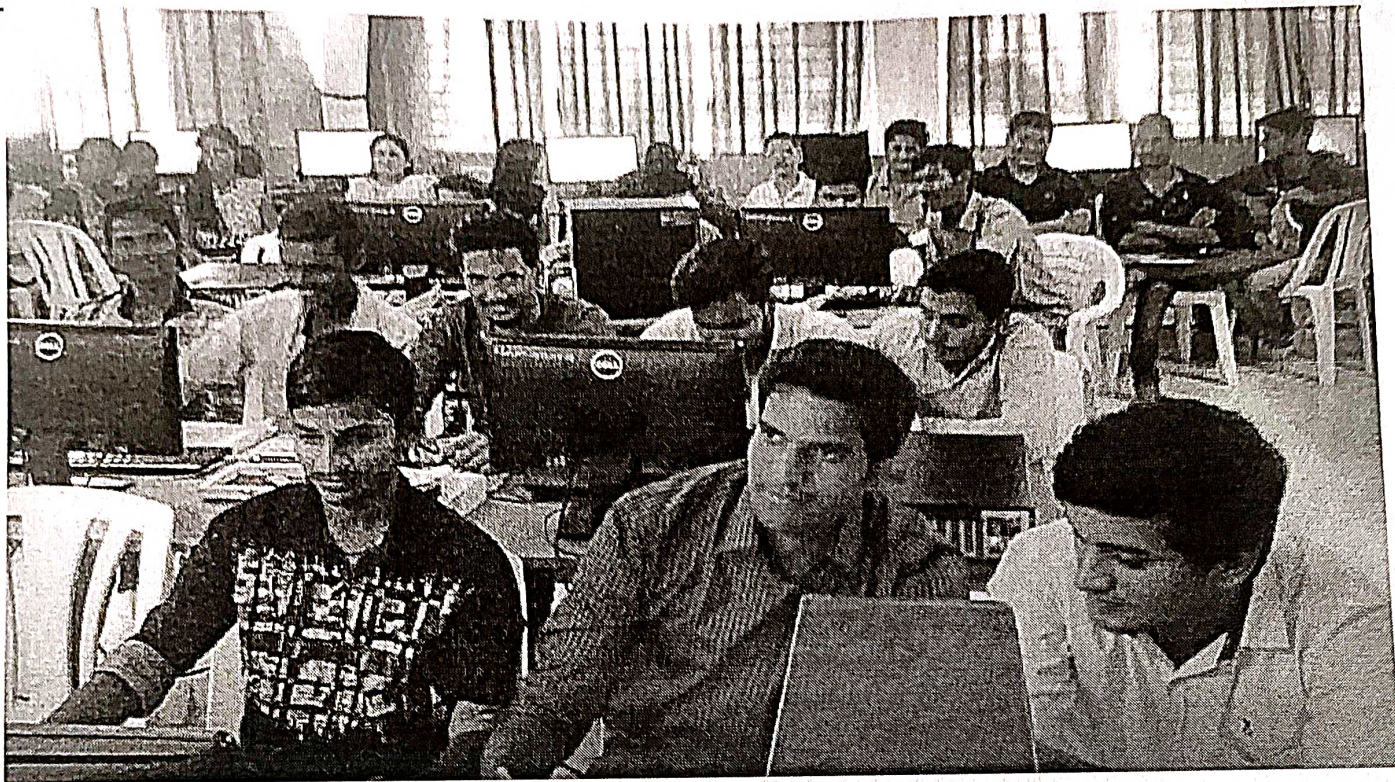
ARM [Advanced Risk Machine]

- 1) Features in RISC Architecture: - From hardware Point of view.
- 2) ARM Processor architecture
- 3) ARM Organization and implementation,
- 4) 3-Stage Pipeline, ARM Organization, Memory format, Memory Management,
- 5) Use of ARM based IDE Project creation, Compilation, Debugging,
- 6) Downloading code hex file into the ARM based Philips microcontrollers
- 7) Use of port and serial interface provided into the chip
- 8) ARM processor core ARM7TDMI
- 9) Instruction set, Interfacing of LED
- 10) Interfacing LCD, Timer, serial communication, RTC, Interrupt



Students attending the workshop on workshop on Embedded technology on 05/04/2019 at GNIET


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Participants of workshop Embedded Technology on 5/04/2019
at GNIET

Total no of students present in the workshop is 37

Deshpande

Prof. Deepak Deshpande
Co ordinator

Raut

Prof. Sucheta Raut
HOD,ETC

2
Principal
Guru Nanak Institute of
Engineering & Technology
Nagpur-441501

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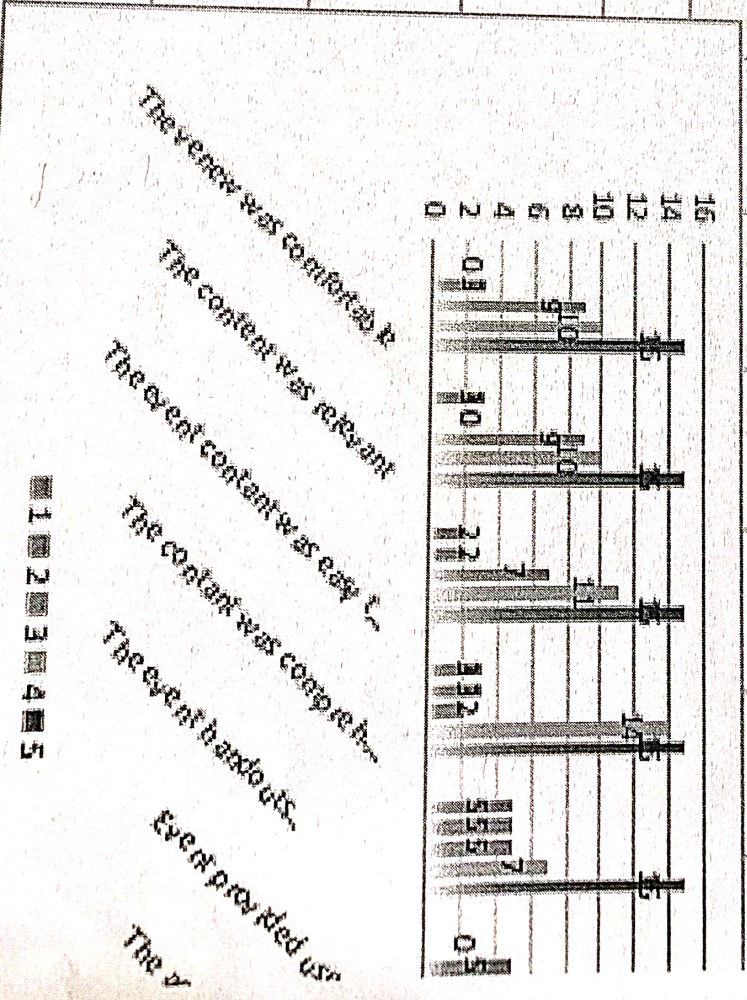
Title: **Workshop on Embedded Technology**

Year: 2018-19

Number of Responses: 37

Enter the number between 1-5 where 5 Means Strongly Agree and 1 Means Strongly Disagree

	1	2	3	4	5
It was comfortable	0	3	9	10	15
It was relevant	3	0	9	10	15
Content was easy to read	2	2	7	11	15
It was comprehensive	3	3	2	14	15
Handouts provided useful information	5	5	5	7	15
Experiences were useful	5	5	2	10	15



Signature

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 Naupur-441501

Title: Workshop on Embedded Technology

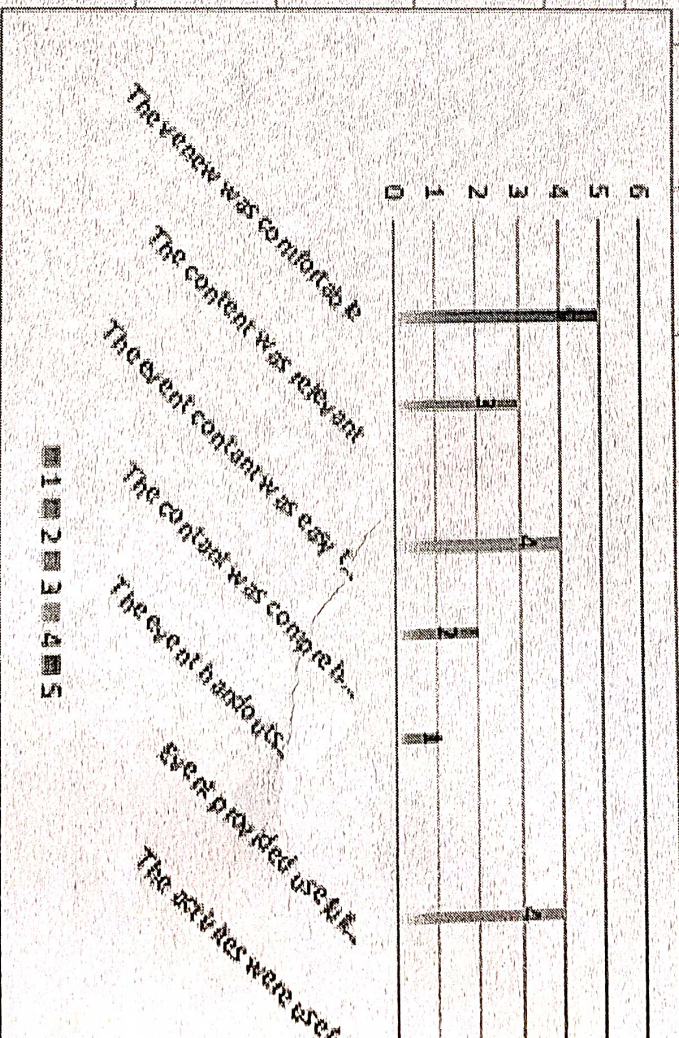
Year: 2018-19

Student: Akash Pramod Moon

Number of Responses: 37

Enter the number between 1-5 where 5 Means Strongly Agree and 1 Means Strongly Disagree

	1	2	3	4	5
new was comfortable					5
content was relevant			3		
event content was easy understood				4	
event was comprehensive		2			
event handouts provided presentation	1				
event provided useful information				4	
activities were useful & experiences					5



Prad

Principal

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 Website : www.griet.ac.in E-mail : grietragnur@gmail.com



ATTENDANCE SHEET 2018-19

Date: 05/4/19

Name of seminar/workshop: Workshop on Embedded Technology

Sr no.	Name of student	Signature
1	AKASH PRAMOD MOON	<u>Amoon</u>
2	AKSHATA SUNIL KAMBLE	<u>Kamble</u>
3	ANKITA ANAND TAMGADGE	<u>Ankita</u>
4	ANKITA KHUSHAL KALAMKAR	<u>Kalamkar</u>
5	ARBAJ SIDDIQUI	<u>Siddiqui</u>
6	ASHWINI . BURDE	<u>Ashwini</u>
7	BHARTI DILIP KOTHEKAR	<u>Bharti</u>
8	BHAVNA SHANTARAM BHURSE	<u>Bhavna</u>
9	CHINMAY DILIP WANKAR	<u>Chinmay</u>
10	DIVYA ARVIND GAJBHIYE	<u>Divya</u>
11	POOJA SANJAY BHOYAR	.
12	POOJA SHAMKANT GHANORKAR	<u>Pooja</u>
13	AASHIRWAD NAMDEO SAHARE	
14	AJINKYA RAMESHWAR KOTHE	<u>Ajinkya</u>
15	AJINKYA SHANKAR DIGRASE	<u>Ajinkya</u>
Sr no.	Name of student	Signature

SRant



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ATTENDANCE SHEET 2018-19

Date: 5/4/19

Name of seminar/workshop: Workshop on Embedded Technology

16	AKASH AVDHESH CHAVHAN	
17	AKSHAY KAPILESHWAR SAKHARE	Akshay
18	ALPESH PANJAB BOMBATE	Alpesh
19	AMOL DNYANESHWAR THAKRE	Amol
20	ANIL GANRAJ MOHITE	Anil Ganraj
21	ANUJA RAVI THOOL	Anuja
22	BALAJI DNYANOBA BORGAVE	Balaji
23	BHAVIK DILIPRAO BHENDE	Bhavik
24	NEHAL ANAND SONE	Nehal
25	NIKHIL KISHOR MANKAR	Nikhil
26	NIKHIL MITHARAM DHOTE	
27	NIKHIL TANAJI CHARDE	
28	NIRMAL PANDURANG SHENDE	Nirmal
29	NITESH DEVIDAS DABARE	
30	POOJA MAROTI DHAMDAR	Pooja
31	PRAJKTA ARUN CHAWARE	Prajakta
32	PRANALI ARUNRAO BEHARE	Pranali
33	PRANALI VINOD DONGRE	Pranali
34	PRANIK SUNIL DONGARE	Pranik
	Sr.no	Name of students
35	PRATIK RAJKUMAR SAWANE	Pratik

Pratik

ATTENDANCE SHEET 2018-19

Date: 5/14/19

Name of seminar/workshop:

Workshop on Embedded Technology

36	PRATIKSHA BUDHAN SONARE	
37	PRATIKSHA PRAKASH BHOYAR	Pratiksha
38	PRAVIN MANOHAR DESHMUKH	Pravindeshmukh

Sr no.	Name of student	Signature
39	PRIYA MAHADEV KHAJURIYA	Priya
40	POOJA SHESHRAO KUMBHARE	Pooja Sheshrao
41	RAKESH ARUN BHANGAR	Rakesh
42	PRIYAL AJAYRAO CHATARKAR	Chatarkar
43	RATAN GAURIRAM DAS	Ratand
44	PRATIKSHA BHAGWAT CHAUDHARY	Pratiksha
45	SANKET SANJAYRAO SURJUSE	
46	SHRUSTI RAJENDRA MESHARAM	Shruti
47	SHUBHAM ANIL MURKUTE	Shubham
48	SHUBHAM ANIL MURKUTE	
49	SHUBHANGI MANOJ DHAGE	Shubhangi
50	SITESHWAR TULSIDAS ACHUTRA	Siteshwar

S.R. Raut

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ATTENDANCE SHEET 2018-19

Date:

Name of seminar/workshop:

Workshop on .

51	SUMIT BALU GAWANDE	
52	SUSHANT SHAMRAO GONDULE	
53	ABHISHEK MILIND SHMBHARKAR	
54	AMIT PRAMOD PANCHAM	
55	ANKITA SUNIL RANGARI	
56	DAMINI RAJESH DOIFODE	
57	DIVYA DATTA DHOTE	
58	DUSHYANT CHHAGAN SAHARE	
59	KALYANI DURYODHAN CHAUHARY	
60	ANKITA TIWARI	

[Signature]
HOD, ETC

[Signature]
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GNIET, Nagpur



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Website : www.gniet.ac.in E-mail : gnietrnagpur@gmail.com



NOTICE

All the students of IV/VI/VIII semester are hereby informed that workshop (PLC & SCADA) Prolific at Nagpur is scheduled on 10/02/2019-17/02/2019 the students are present for the 7-Day workshop.

Workshop is compulsory for all students in IVRW subject. The schedule is given below

Date	Scheduled of Workshop
10/02/2019-17/02/2019	IV/VI/VIII Semester

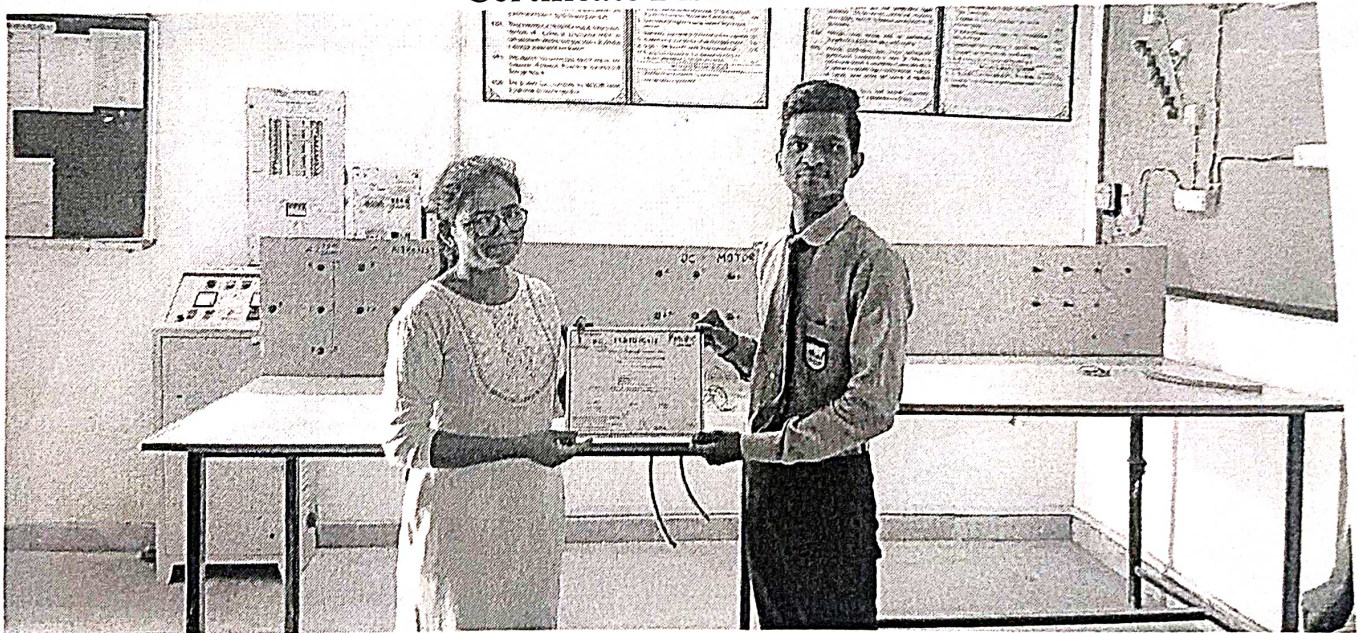
It is compulsory to all Semester students to be present for Workshop.


Prof. R.M. Bhombe
H.O.D


Principal
Guru Nanak Institute of Engineering &
Technology Nagpur- 441501



Certificate Distribution



PLC & SCADA Certificate Distribution

[Signature]
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Guru Nank Institute of Engineering
Technology Nagpur-441501

Department Of Electrical Engineering Session 2018-19

Date: 11/02/2019

REPORT ON WORKSHOP

Department of Electrical Engineering organized a workshop on "Industrial Automation"(PLC& SCADA) for students of IV, VI and VIII-Sem (EE) on 10/02/2019 to 17/02/2019 in the Seminar Hall, T-2 Building GNIT, Nagpur. Seminar was presented by Mr. Sarang Thakre, M/S Prolific System & Technologies Pvt. Ltd, Nagpur.

Mr. Sarang Thakre introduced students about "PLC & SCADA". He briefly explained the components, architecture, working, benefits and scope of PLC SCADA automation and mainly focused on following topics from the undergraduate student point of view.

- Need and importance of automation
- Need of PLC
- Reputed companies working with PLC
- Real time application of PLC
- SCADA system and object
- DCS (Distributed Control System)
- Advantage of automation

PLC (Programmable Logic Controllers) are integral part of factory automation and industrial process control. Applications of PLCs are from simple lighting to chemical processing plants. Now a day's automation system contains PLCs and SCADA (Supervisory Control and Data Acquisition) software. The combination offers better monitoring and control of the plant. PLC and SCADA are important tools of Automation industry. Professionally trained candidates in PLC and SCADA have better job prospects as it is the most desired requirement of industry.

About 39 students attended the seminar. Faculties of Electrical department were present in the seminar. Students were grateful to the department for organising the seminar from which they could acquire knowledge of PLC SCADA Automation. The seminar was co-ordinated by Prof. Akshay Pillewan.

Prof. Akshay Pillewan
Workshop Co-ordinator

Prof. R. M. Bhombe
Vice principal & HOD EE

Attendance

Sr.No.	Name of Students	
1	Babli Gemraj Nandanwar	Babli
2	Dipali Shamrao Surjagade	Dipali
3	Ritik Rajeshwar Gedam	R. Rajeshwar
4	Shraddha Shobhelal Samrit	S. Samrit
5	Siddhant Ashok Dongare	Siddhant
6	Sonali Dhiwaru Chalakh	Sonali
7	Sumit Kailash Kathe	S. K. Kathe
8	Kiran Prakash Rajpurohit	Kiran
9	Krishna Singh	Krishna
10	Laik Ahemad Hafiz Quireshi	Laik Ahemad
11	Lucky Diwakar Sarjare	Lucky
12	Manish Ananad Rambhad	Manish
13	Manish Anil Nagrale	Manish
14	Mayur Anil Kale	Mayur
15	Mayuri Pandurang Bawangade	Mayuri
16	Hema Sadashiv Kuthe	Hema
17	Hemant Subhash Mahadule	Hemant
18	Irfan Ali Abbas Rajjav Khan	Irfan
19	Jitendra Someshwar Gharde	J. Someshwar
20	Lalit Bhaoraaji Bhonde	Lalit
21	Mayur Tryambak Sahare	Mayur
22	Meenakshi Rambhau Belkhede	M. Belkhede
23	Nehal Anand Sone	N. A. Sone
24	Nikhil Kishor Mankar	Nikhil
25	Nikhil Mitharam Dhote	N. Dhote
26	Nikhil Tanaji Charde	N. Charde
27	Nirmal Pandurang Shende	N. Shende
28	Nitesh Devidas Dabare	N. Dabare
29	Shubham Anil Murkute	Shubham
30	Shubhangi Manoj Dhage	S. Dhage

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31	Siteshwar Tulsidas Achutra	
32	Sumit Balu Gawande	
33	Sushant Shamrao Gondule	
34	Tushar Ghanshyam Birole	
35	Vijay Baburao Deosarkar	
36	Vinit Dhanpal Ladse	

Prof. R.M. Bhombe

HOD EE

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