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2.3.1. Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences.

Sr. No.	Particulars
1	Sample copy of List of Project & Seminar for final year students
2	Sample copy of Certificate of Project File
3	Sample copy of Notice of Mini Project for third year students
4	Sample copy of List of Mini Project for third year students
5	Sample copies of Internship Certificate
6	Sample copy of Memorandum of Understanding (MOU) with Industries
7	Sample copy of List of Practical
8	Sample copy of National level technical event certificate
9	Sample copy of Industrial Visit report

JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL

Electronics & Telecommunication Engineering Department

Class/Semester : Final Year /Seventh Semester (Session 2020-2021)

PROJECT & SEMINAR

Sr. No.	Group	Project Guide	Project Group	Project Title
1	I	Prof. D. B. Pohare	Mr. Kunal Sanjay Kale	IoT BASED HEALTH MONITORING S
			Ku. Soumya Anil Bolenwar	
			Ku. Pallavi Rajesh Kakade	
			Mr. Achal Sadashivrao Dhore	
			Mr. Suraj Prakash Madgulwar	
2	II	Prof. V. R. Thakare	Mr. Vivek Marotrao Gayakwad	WIRELESS SOLAR LAWN GRASS CUTTING MACHINE
			Ku. Gauri Ramesh Rao Khasale	
			Ku. Jayashree Digambar Upare	
			Mr. Nikhil G. Harnare	
			Mr. Rupesh Chitaman Tompe	
3	III	Prof. V. K. Barbudhe	Mr. Maroti Prakash Hatmode	IMAGE COMPRESSION BY USING MATLAB
			Mr. Nikhil Sandip Rathod	
			Mr. Manik Shubhash Jadhav	
			Ku. Chaitali Vilas Mirase	
			Ku. Geeta Madhav Nimmalwar	
4	IV	Prof. S. D. Kale	Mr. Vaibhav Kailas Humbade	STOCK MARKET PREDICTION USING MACHINE LEARNING METHODS
			Mr. Vishal Subhash Pawar	
			Ku. Harshada Tulshidas Dhawane	
			Mr. Devendra Devidasji Chandankhede	
			Ku. Nilima Pralhad Sonawane	
5	V	Prof. P. R. Patil	Mr. Gajanan Shivajirao Patil	UTILIZATION IMPROVEMENT OF TRANSFORMERS USING DEMAND RESPONSE
			Mr. Rahul Prabhakar Ghagonkar	
			Ku. Rashmi Suresh Ratnaparkhi	
			Ku. Pooja Parmanand Mehta	
			Mr. Pravinya Kisanrao Kale	
6	VI	Prof. A. R. Dudhe	Mr. Rahul Hanjari Rathod	HEALTH CARE MONITORING SYSTEM BASED ON IoT
			Ku. Nikita Suresh Ratnaparkhi	
			Ku. Karishma Jitendra Mehta	
			Mr. Rustam Khan Zahed Khan	
			Mr. Prashant Sidharth Wathore	
Mr. Gopal Kamalkishor Thakare				
Mr. Pavan Ramesh Bhanarkar				

Scab..

f f a



HMB

Dr. Hemant M. Baradkar
Principal
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DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION
ENGINEERING
JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL - 445001

Sant Gadge Baba Amravati University, Amravati



CERTIFICATE


This is to certify that the dissertation entitled “IoT Based Health Monitoring System” is a bonafide work done under our supervision and is submitted to Sant Gadge Baba Amravati University, Amravati in partial fulfillment of the requirement for the Bachelor of Engineering in Electronics & Telecommunication.


Submitted by

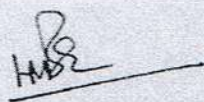
Mr. Kunal Sanjay Kale

Ku. Soumya Anil Bolenwar
Mr. Achal Sadashivrao Dhore

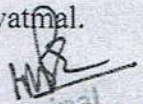
Ku. Pallavi Rajesh Kakade
Mr. Suraj Prakash Madgulwar


Prof. D. B. Pohare
Project Guide
E&TC Engg. Dept.


Prof. D. B. Pohare
H.O.D. of
E&TC Engg. Dept.


Dr. H. M. Baradkar
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J.C.E.T, Yavatmal.




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Jagadambha College of Engineering & Technology, Yavatmal
Electronics & Telecommunication Engineering Department
(A.Y. 2020-21)

Notice

Dt. 13/10/2020

All the following students are hereby informed to submit the title of Mini Project on or before 30/10/2020.

Guidelines for Mini Project

1. Software or hardware based projects are allowed.
2. Submit the Title, abstract online
3. Group of 4 students are allowed
4. Maintain the Covid Guidelines for performing Mini project.

List of Student

Sr.No.	Name of Student
1	Ku. Anjali Sitaram Atram
2	Ku. Archana Bapurao Dawane
3	Ku. Ashvini Datta Bahadure
4	Ku. Komal Avinash Bhoyar
5	Ku. Pooja Shankar Porchake
6	Ku. Priti Vijay Rathod
7	Ku. Rajshri Dnyaneshwar Kolhe
8	Ku. Sana Naushad Shreve
9	Ku. Sadiyaparveen Anwar Shah
10	Ku. Shivani Dattarao Kawde
11	Ku. Shweta Ajayrao Meghe
12	Ku. Sneha Raju Tamboli
13	Ku. Shrutika Mahesh Padhye
14	Deep Manikrao Thakare
15	Kedarnath Parmeshwar Chavan
16	Lavkush Ananda Sategaonkar
17	Mayur Santosh Dange





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18	Rajesh Udaysing Malvi
19	Shubham Gajanan Kawane
20	Shyam Shivaji Sharma
21	Tushar Prakash Gorle
22	Ku. Kishori Sureshrao Deokate
23	Ku. Manisha Ashok Vaidya
24	Ku. Papita Sitaram Kherde
25	Ku. Pratiksha Shyam Raut
26	Ku. Pratiksha Gajanan Turankar
27	Ku. Priti Gajanan Pandhare
28	Ku. Rani Kailas Kanhekar
29	Ku. Rohini Raju Guldagad
30	Ku. Sharada Laxman Godamale
31	Ku. Shivani Prakash Pawar
32	Ku. Vaishali Pandit Chavhan
33	Ajay Sanjay Kandekar
34	Kalpesh Kailas Mankar
35	Md. Arbazz Abdul Haque
36	Tejas Sudhakar Gulhane
37	Vikas Manohar Jadhao

Dudhe

Prof. A. R. Dudhe
Mini Project Incharge

HOD
HOD



HMB

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Jagadambha College of Engineering & Technology, Yavatmal
Electronics & Telecommunication Engineering Department
(A.Y. 2020-21)

List of Mini Project

Dt: 8/11/2020

Project Guide	Mini Project Projectee	Title of Mini Project
Prof. Vishwajit K. Barbudhe	Ku. Anjali Sitaram Atram	IoT Based Smart Security & Home Automation System
	Ku. Archana Bapurao Dawane	
	Ku. Ashvini Datta Bahadure	
	Ku. Komal Avinash Bhoyar	
Prof. Dhanshree Pohare	Ku. Pooja Shankar Porchake	To develop the library management program using Python
	Ku. Priti Vijay Rathod	
	Ku. Rajshri Dnyaneshwar Kolhe	
	Ku. Sana Naushad Shrve	
Prof. Shrikant D. Kale	Ku. Sadiyaparveen Anwar Shah	Advance Health Care System Using IoT
	Ku. Shivani Dattarao Kawde	
	Ku. Shweta Ajayrao Meghe	
	Ku. Sneha Raju Tamboli	
Prof. Akash R. Dudhe	Ku. Shrutika Mahesh Padhye	To develop the Faculty attendance using Python
	Deep Manikrao Thakare	
	Kedarnath Parmeshwar Chavan	
	Lavkush Ananda Sategaonkar	
Prof. Dhanshree Pohare	Mayur Santosh Dange	To develop the calculator using CPP programming
	Rajesh Udaysing Malvi	



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 Technology, Arni Road, Kinhi, Yavatmal

	Shubham Gajanan Kawane	
	Shyam Shivaji Sharma	
Prof. Ajay D. Nanure	Tushar Prakash Gorle	To develop the Student management program using Python
	Ku. Kishori Sureshrao Deokate	
	Ku. Manisha Ashok Vaidya	
	Ku. Papita Sitaram Kherde	
Prof. Vinod Thakre	Ku. Pratiksha Shyam Raut	To develop the using CPP programming
	Ku. Pratiksha Gajanan Turankar	
	Ku. Priti Gajanan Pandhare	
	Ku. Rani Kailas Kanhekar	
Prof. Kaustubh L. Thakare	Ku. Rohini Raju Guldagad	Automatic Attendance System
	Ku. Sharada Laxman Godamale	
	Ku. Shivani Prakash Pawar	
	Ku. Vaishali Pandit Chavhan	
Prof. Ajay D. Nanure	Ajay Sanjay Kandekar	Smart Student Alert System
	Kalpesh Kailas Mankar	
	Md. Arbazz Abdul Haque	
	Tejas Sudhakar Gulhane	
	Vikas Manohar Jadhao	




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 Technology, Arni Road, Kinhi, Yavatmal

Magnum Net Solution


Internship Certificate

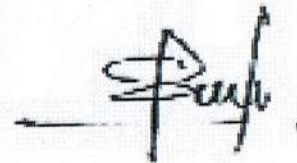
This certificate is presented to

Bhagyashri M. Bhashkar

in recognition of his/her excellence, effort and
achivement in being an outstanding student.




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Principal
Jagadamba College of Engineering &
Technology, Arni Road, Kinhi, Yavatmal



Magnum Net Solution


Internship Certificate

This certificate is presented to

Anup V. Salve

in recognition of his/her excellence, effort and
achivement in being an outstanding student.




Dr. Hemant M. Baradkar
Principal
Madambha College of Engineering &
Technology, Amravati, Maharashtra



MEMORANDUM OF UNDERSTANDING (MOU)

BETWEEN

**JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY,
YAVATMAL, MAHARASHTRA, INDIA-445001**


And

**MAGNUM NET, Plot No.25, Saikrupa Apartment, Central Excise Colony
Nagpur- 15**

FOR

**Technical Internship, Technical Training, Project Work, Internet of Things
Development, Cyber Security, Python, Linux Training, Certificate Courses, etc.**




Dr. Hemant M. Baradkar
Principal
Jagadamba College of Engineering &
Technology, Arni Road, Kinhi, Yavatmal

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter called as the 'MOU') is entered into on this date 26th October 2020 by and between.

Jagadambha College of Engineering & Technology, Yavatmal, Maharashtra, India-445001, THE FIRST PARTY represented herein by its Dr. H M Baradkar, Principal.

AND


MAGNUM NET, Plot No.25, Saikrupa Apartment, Central Excise Colony Nagpur- 15
THE SECOND PARTY represented herein by its Mr. Indrajit Lonkar, Director

PURPOSE OF MOU

In particular, this MOU is intended to

1. Technical Skill "Internet of Things" Workshop under Jagadambha College of Engineering & Technology, Yavatmal, Maharashtra, India-445001
2. Organize various Technical Workshops like IoT (Internet of Things), Web Development, PCB Designing, Electronics Circuit Designing, Embedded System Design, Cyber Security, Graphics Designing, Python Programming, C/C++ Programming, LED Bulb & Transformer Manufacturing, Computer Hardware & Networking, E-Vehicle Manufacturing, etc.
3. Conduct Mock Technical Interviews
4. Assist the students in establishing various start-ups
5. Provide Internships/Training for Students




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Principal
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Technology, Arni Road, Kinhi, Yavatmal

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL PROMISES SET FORTH IN THIS MOU, THE PARTIES HERETO AGREE AS FOLLOWS:

Clause 1

CO-OPERATION


- 1.1 Both parties are united by common interests and objectives, and they shall establish channels of communication and co-operation that will promote and advance their respective operations. The parties shall keep each other informed of potential opportunities and share all information that may be relevant to secure additional opportunities for one another.
- 1.2 The co-operation between First Party and Second Party will facilitate effective utilization of the intellectual capabilities of the Second Party providing significant inputs to them in developing suitable teaching/training systems, keeping in mind the needs of the First Party.

Clause 2

SCOPE OF THE MOU

- 2.1 Both parties believe that close co-operation between the two would be a major benefit to the student community to enhance their skills and knowledge.
- 2.2 The Second Party will give valuable input to the First Party in teaching/training methodologies so that the students fit into the industrial scenario meaningfully.
- 2.3 The interaction between Industry and Jagadamba College of Engineering & Technology, Yavatmal, Maharashtra, India-445001 will give an insight into the latest developments /requirements of the industries: the Second Party to permit the Faculty and Students of the First Party to visit its group companies and also involve in Industrial Training Programs for the First Party. The industrial training and exposure provided to students through this association will build confidence and prepare the students to have a smooth transition from academic to working career. The Second Party will provide its Labs/Workshops/ Industrial Sites for the hands-on training of the learners enrolled with the First Party.
- 2.4 The Second Party will train the students of the First Party on the emerging technologies in order to bridge the gap in skill and make them ready for industry.
- 2.5 The Second Party will extend the necessary support to deliver guest lecturers to the students of the First Party on the technology trends and in-house requirements.
- 2.6 The Second Party will actively engage to help the delivery of the training and placement of students of the First Party into internships/jobs.




Jr. Hemant M. Baradka,
Principal
Jagadamba College of Engineering &
Technology, Arni Road, Kinhi, Yavatmal

Clause 3VA

LIDIY

3.1 The validity of the agreement is One year from the date of agreement.

3.2 Both Parties may terminate this MOU upon 30 calendar days' notice in writing.
In the event of Termination, both parties have to discharge their obligations.

3.3 Any dispute will be settled in the Midnapore Court only where the Jagadambha College of Engineering & Technology, Yavatmal, Maharashtra, India-445001 is situated.

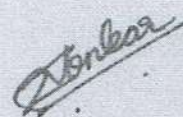
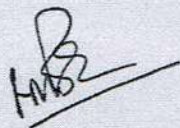
AGREED:

For
Jagadambha College of Engineering &
Technology, Yavatmal, Maharashtra, India-
445001

For
MAGNUM NET, Plot No.25, Saikrupa
Apartment, Central Excise Colony Nagpur- 15

Authorized Signatory

Authorized Signatory



Jagadambha College Of Engineering & Technology, Yavatmal,	MAGNUM NET
Arni Road, Yavatmal Maharashtra, India-445001	MAGNUM NET, Plot No.25, Saikrupa Apartment, Central Excise Colony Nagpur- 15.
Dr. H M Baradkar	Mr. Sharad Sarode
principal@jcoet.org	training@stargate.in.net
www.jcoet.org	www.stargate.in.net


Witness 1: Prof. S. A. Murab
(HOD, Computer Engineering)

Witness 2: Mr. Indrajit Lonkar
(Director, MAGNUM NET, Nagpur)

Witness 3: Prof. A. A. Kolpyakwar
(Assistant Professor, Computer Engineering)

Witness 4: Mr. Sharad Sarode
(Trainer, MAGNUM NET, Nagpur)




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JAGADAMBHA

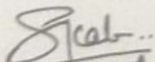
COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL

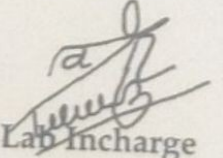
ELECTRONICS & TELECOMMUNICATION ENGINEERING DEPARTMENT

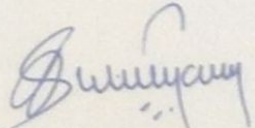
Subject: UHF & Microwave Lab

List of Practical

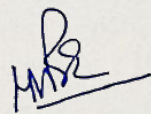
Sr. No.	Name of Practical
01	To study Microwave Component commonly used in Microwave System.
02	To study the Mode Characteristics of Reflex Klystron & to determine Mode Number, Transit time, Electronic Tuning Range & Sensitivity.
03	To study the Gunn Diode & plot VI characteristics of Gunn Diode.
04	To determine the Voltage standing wave ratio (VSWR).
05	To determine the frequency & wavelength of a rectangular waveguide operating in the TE ₁₀ mode using the microwave bench setup.
06	To measure the coupling factor, directivity, isolation & insertion loss of a multihole directional coupler using the microwave bench setup.
07	To observe the operation of Magic Tee & to calculate coupling coefficient & isolation using microwave bench setup.
08	To measure an unknown impedance using a microwave bench setup.
09	To perform attenuation measurement of a network using a microwave bench setup.


Prof. S.D. Kal
Practical Incharge


Lab Incharge
Communication Lab


Dr. A.D. Shelotkar
H.O.D. E&TE, Dept. YIT
E&TC ENGG. DEPTT.




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Certificate

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This is to certify that Prof./Mr./Ms. Gaurav Laxman Khode
a faculty / student of J. C. O. E. T
has participated / presented / worked in National Level Technical Event X-plore 17
held on 22nd & 23rd February 2017 in the event Robo-War
and secured / as _____ position.

Prof. V. K. Barbudhe
Organizing Secretary



Dr. G. Neve
In-charge

Dr. Hemant M. Baradkar
Principal
Jagadamba College of Engineering & Technology, Arni Road, Kinhi Yavatmal

H. M. Baradkar
Principal

Sample copy of Industrial visit - 'Problem solving Methodology.'

**Report
on
Industrial Visit
To**

VINIT Transformer, Yavatmal.



**Jagadambha College of Engineering & Technology,
Yavatmal.
2017-18**




**Principal
Jagadambha College of Engineering &
Technology Arni Road, Kinhi, Yavatmal**

Title of Activity	Industrial visit to VINIT TRANSFORMER
Aim	To Study Single phase and Three phase Transformers
Objective	To gain the practical knowledge regarding Transformers
Date	02/02/2018
No. Of Beneficiaries	39

Introduction

On 02 Feb 2018, the industrial visit was held at VINIT TRANSFORMER YAVATMAL, Dist. yavatmal. Which is approximate 05 Km from college. The visit was conducted by the department of "ELECTRICAL ENGINEERING" J.C.O.E.T Yavatmal under the guidance and supervision of, Prof. K. M. Kamble & Non Teaching Mr. M. U. Chakranarayan.

The purpose of visit was to get the knowledge about the transformer and repairing of transformer. The total no. of student are present in the visit was 39. We started the journey to VINIT Transformer journey by college bus. Departure time was 01.30 pm and we reached at the site at 01:40 pm.



Photo 1. Expert person explaining the construction of transformers to the students.




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Information of Transformer

- In the transformer 4 insulator are use, 2 insulator for H.V and 2 for L.V
- Step down transformer has voltage ranging of 1100v - 230v.
- Wooden strips are placed between two coils.
- Wooden strips use for insulation and maintain pressure.
- Core is made up of no. of thin metal sheets.
- Transformer after repairing placed in former.
- Former consist of air ducts for cooling purpose and insulating oil.

Core Construction

- The transformer core is used to provide a controlled path for the magnetic flux generated in the transformer. The core is generally not a solid bar of steel, rather a construction of many thin laminated steel sheets of layers.
- This construction is used to help in reduced heating.
- Transformer generally have one of two type of cores :-
 - 1) Core type
 - 2) Shell type

Windings

There are two types:-

- Primary Winding:-The coil that draws power from the source.
- Secondary Winding:- The coil delivers the energy at the transformer change voltage to the load.

Insulation paper

- Insulating Paper is an extremely good insulation material for electrical machine.
- Paper is used as the base for insulation in transformer because
 1. It is widely available.
 2. It is cheap.
 3. Can be easily applied to winding.

Oil filtration process

The job is put in the tank and the oil is filled into the tank after the clearance checking. The oil is filled from up and the valve is closed when the oil is below 2 inch of the tank. The cover is putted on the tank and after it oil is filled trough conservator and at last conservator is closed trough conservator cap.



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Photo 2. Expert person explaining the maintenance procedure of transformers to the students.



Photo 3. Second year electrical department students at visit transformer.




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