MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ('MOU') is made on 01 March, 2023.

Between

Kalyani Charitable Trust's, Late Gambhirrao Natuba Sapkal College of Engineering,(LGNSCOE) Anjaneri, Trimbakeshwar Road, Nashik.

and

Kadwa Sahakari Sakhar Karkhana Ltd
At Materewadi, Tal: Dindori, Maharashtra, 422202, Maharashtra.

(LGNSCOE and Kadwa Sahakari Sakhar Karkhana **Ltd** hereinafter individually referred to as "Party" and collectively referred to as "Parties")

Terms and Conditions:

1. Duration

This MoU shall be valid for Three (3) years from 1st March, 2023 and thereafter it may be renewed on mutually agreed terms.

2. Purpose

This MOU is for collaboration between the parties for mutual benefit where Kadwa Sahakari Sakhar Karkhana Ltd to provide

- Industrial visit for faculties and students.
- Industrial training/workshop for students and staff
- Experts for Guest lecturers as per the expertise available in industry.
- Sponsorship for industrial project and mentoring for interviews of Final year students.
- To provide an opportunity to most eligible students for professional work experience through employment, if possible
- Assistance for developing project ideas for students of LGNSCOE.
- Technical guidance for lab developments in LGNSCOE. Nasik
- Platform for planning and utilizing resources like staff and infrastructure for joint R&D work.
- Sponsoring the events activities being conducted at LGNSCOE, Nasik.
- Training on special topics supported by donating outdated machinery, equipment, cut-sections, charts etc.

3. Late Gambhirrao Natuba Sapkal College of Engineering and Industry Standard of Performance:

LGNSCOE shall expend reasonable efforts as follows:

- LGNSCOE shall provide training, lab visit permissions in such areas as may be mutually agreed between the parties, more particularly described in this agreement.
- LGNSCOE shall provide experts for the conduct of training at the LGNSCOE campus and or at the Industry premises.
- LGNSCOE shall provide certificates/completion letter to all students who have successfully completed the training, projects conducted at LGNSCOE or at the Industry premises.

4. Mutual Obligations:

- Both the parties shall appoint one person as one point of contact for smooth execution of the MOU.
- This collaboration shall not be exclusive to both parties and shall not disallow each party from having similar collaboration with others. Except as expressly stated in this MOU, there shall be no obligation on any party to compensate the other in any manner or to make any claim.
- Each party shall respect the other's intellectual property
- Nothing contained in this MoU shall be construed as resulting in the creation of a relationship of both Principal of LGNSCOE and Management of Industry. LGNSCOE and Industry are not authorized to make any representation contract or commitment on behalf of Industry. LGNSCOE without the prior written consent of other party

Duration and Warranties:

- Each party shall ensure that the other is not put to any liability for any act of the respective party under this MOU.
- Each party represents that they have full power and authority to enter into this MoU in general.

Commercials:

- LGNSCOE & Industry will design programs on mutual understanding and decide fees if any to be charged to the students.
- The training. Lab visit shall be conducted at the LGNSCOE or Industry facility in a time bound manner as per availability and schedule of both parties

General:

- Both the parties may receive information proprietary to other party (the "Confidential Information") in the course of performance of their obligations under this MoU. Confidential Information is not meant to include any information which (a) is publicly available (b) is rightfully received by the parties from third parties without accompanying secrecy obligations; (c) is already in either party's possession and was lawfully received from sources other than the parties or (d) is independently

developed by the parties. The two bodies understand and acknowledge that the Confidential Information is valuable and confidential and agrees that it will at all times be kept in trust, to be disclosed only to such persons as have a "need to know the same for the effective implementation of this MOU and that it will only be used by the parties for the benefit of others.

- Both the parties understand and agree that all written or other tangible data and documentation developed or procured by the other party in performing its obligations under this MoU, whether in printed or electronic form, belongs to other party.
- Both parties shall not use the name and brand of the other party in any advertisement or make any public announcement without the prior written approval of the other.
- Each party shall be at liberty to terminate this MoU with a written notice period of one(1)month to the other party without any compensation.
- Any and all disputes or differences between LGNSCOE and Industry arising out of or in connection with this MoU or its performance shall, so far as it is possible, be settled by negotiations between the Parties amicably through consultation & understanding.

8. Indemnification:

- Both the parties shall indemnify and hold each other harmless from and against any claim, loss, liability, or expense, including, but not limited to, damages, patent and trade mark infringement, costs
- In witness whereof, both parties put their hand seal on the day, month and year here in mentioned

IN WITNESS WHEREOF, to show their assent, the duly authorized representative of the parties hereto have signed the Agreement and set their seals as below:-

Signed for and on behalf of for
Kadwa Sahakari Sakhar Karkhana Ltd.
At Materewadi, Tal:Dindori,
Maharashtra, 422202

Mr. Hemant Mane
Managing Director
Tal. Dindori, Dist. Nashik

Signed for and on behalf of for
KCT's Late Gambhirao Natuba Sapkal
College of Engineering, Anjaneri, Nashik

Prof. Dr. S. B. Bagal
Principal

Kalyani Charitable Trust's

Late G. N. Sapkal College of Engineering

Sapkal Knowledge Hub, Kalyani Hills, Anjaneri, Trimbakeshwar Road,
Nashik - 422 212, Maharashtra State, India
Tel: +91-2594-220168/71; Fax: +91-2594-220174
Website: www.sapkalknowledgehub.org;
E-mail: gns_engineering@sapkalknowledgehub.com

Date: 31/03/2025

DEPARTMENT OF MECHANICAL ENGINEERING

NOTICE

All the Final year students are hereby informed that, industrial visit for Energy Engineering s on Visit for Trial on thermal power plant and cogeneration plant is arranged on Saturday, 05th April 2025 at **Kadwa Sahakari Sakhar Karkhana Ltd.** as per following schedule from Thakkar Bazzar to Kadwa Sahakari Sakhar Karkhana Ltd.

Sr. No.	Division	Date	Time	Faculty Coordinator
1	BE	05/04/2025	9.00 am to 4.00 pm	Prof. P.D. Jadhav

Note:-

1. Route of visit: - From Thakkar Bazzar to Kadwa Sahakari Sakhar Karkhana Ltd.
2. It's compulsory for all students to report at Thakkar Bazzar before said time.
3. No Personal Vehicles Allowed.
4. Students should maintain discipline and follow instructions during visit.

Prof. P. D. Jadhav
Visit Coordinator

Prof. (Dr.) T. Y. Badgujar
Head of Department

Late G. N. Sapkal College of Engineering
Anjaneri
Nashik
422 212

Activity Report

Particulars	Description
Department	Mechanical Engineering
Activity	Industrial Visit
Activity level	Industrial
Title	Study and Trial on Steam Turbine and Industrial Study on Cogeneration Power Plant at Sugar Industry.
Organized by	Prof. P. D. Jadhav
Venue	Kadwa Sahakari Sakhar Karkhana Ltd. Materewadi, Tal: Dindori, Maharashtra, 422202
Date	05/04/2025
Time	9.00 am to 4.00 pm
Objectives of the activity	To study the working of steam turbines and understand the overall operation of a steam power plant.
Outcomes of activity	1. Comprehensive understanding of steam turbine operations 2. Understanding of cogeneration and its significance in improving energy efficiency. 3. Recognition of renewable energy usage and its impact on reducing fossil fuel dependency. 4. Awareness of industrial safety practices, instrumentation, and control in real-time operation.
Targeted Participants	BE - A Students
Total no. of Participants & % of students	22 (95.65%)
Speaker / Resource Person	1. Name: Mr. Shrihari Daulat 2. Designation & Organization: Chief Engineering, Kadwa Sugar Factory

Late G. N. Sapkal College of Engineering
Anjaneri
Nashik
422 212

Particulars	Description
Content of the activity	**Steam Power Plant Overview:** The plant operates using a steam turbine driven by high-pressure steam produced from boilers. Bagasse is used as the primary fuel for generating steam. The system integrates renewable energy practices with industrial-scale sugar production. **Steam Turbine System:** **Working Principle:** The steam turbine operates on the Rankine cycle. High-pressure steam is generated in the boiler, expanded in the turbine, and then exhausted for further use or condensation. The turbine converts thermal energy into mechanical energy, which is then used to generate electricity. **Components:** • Boiler: Generates steam by burning bagasse. • Turbine: Expands the steam to produce mechanical energy. • Generator: Converts mechanical energy into electrical energy. • Condenser: Condenses exhaust steam into water for recirculation. **Energy Efficiency:** The plant's cogeneration setup ensures that both electricity and process steam (for sugarcane processing) are produced, leading to efficient fuel utilization and lower environmental impact. **Environmental Impact:** The use of bagasse as fuel reduces the plant's carbon footprint, making it a sustainable energy solution. The plant is an example of **green energy** in an industrial setup, aligning with environmental sustainability goals. **Safety Measures:** • Steam turbines operate under high pressure, so safety protocols were demonstrated to the students, including regular monitoring of pressure gauges, temperature sensors, and emergency shut-off systems.
Relevance to POs	PO1, PO2, PO4, PO5, PO6, PO7,PO8, PO10, PO12
Relevance to PSOs	PSO1, PSO2
Methodology	1. Actual reading on Panels. 2. Notes and comments.

Particulars	Description
used	3. Discussion
Brief Description of the activity	The activity involved a visit to a sugar manufacturing industry equipped with a cogeneration power plant. The plant utilizes bagasse a by-product of sugarcane crushing as a fuel to generate steam. This steam is used both for power generation through turbines and for process heating in sugar production. Students observed components such as boilers, steam turbines, condensers, cooling towers, and feed water systems. Real-time process parameters and safety systems were explained by plant engineers. This holistic experience provided insight into how cogeneration contributes to operational efficiency and energy sustainability.
Geo- tag photos of the activity	

Particulars	Description
	 

Prof. P. D. Jadhav
Coordinator / Prepared by

Prof. (Dr.) V. A. Kolhe
IQAC coordinator

Prof. (Dr.) T. Y. Badgujar
HoD

Prof. (Dr.) S. B. Bagal
Principal
Prof.(Dr.) Sahebrao B. Bagal
Principal
Late G. N. Sapkal College of Engineering
Anjaneri, Nashik-422 213.

Kalyanii Charitable Trust's
LATE G. N. SAPKAL COLLEGE OF ENGINEERING
(Accredited with Grade 'B' by NAAC)
Affiliated to ➢ Savitribai Phule Pune University (ID. No.PU/NA/Engg./152/2009 Ref.No.-CA/650/ Dated- 16/11/2009)
Approved by ➢ A.I.C.T.E., New Delhi (F.N: 06/07/MS-Engg/2008/O-17, Dated- 11th June 2009)
➢ Govt. of Maharashtra (No. GEC-2009/(67/09)/T.E.-4, Dated- 15th June 2009)
➢ D.T.E., M.S., Mumbai (No.2/NGC/Engg./Approval/2009/535, Dated - 23rd July 2009)
➢ AISHE CODE : C-42196

Dr. Sahebrao B. Bagal
M.E. (E & TC), Ph.D. (E&TC)
Principal

SAPKAL KNOWLEDGE HUB

Dr. Ravindra G. Sapkal
Chairman & Managing Director
Kalyanii Charitable Trust

Ref. No.: KCT/LGNSCOE/MECH/2024-25/ 3 2 2

Date: 17-March-25

To,
The Managing Director
Kadwa Sahakari Sakhar Karkhana Ltd.
Materewadi, Tal:Dindori,Maharashtra, 422202

Subject: Academic Visit to Final Year Students of Mechanical Engineering to Thermal Power Plant.....

Dear Sir/Madam,

We would like to introduce ourselves as one of the emerging institutes in Nashik District. We are affiliated to Savitribai Phule Pune University and cater for six Bachelor's degrees in Engineering, viz. Bachelor in Civil Engineering, Computer Engineering, Electronics & Telecommunications, Electrical Engineering, Artificial Intelligence and Data Science and Mechanical Engineering.

As a part of syllabus, the students of **Final Year Mechanical Engineering** are required to visit industry to gain the Practical knowledge on Trial on Steam Power Plant along with cogeneration. We would really appreciate it if you could permit our students to visit your plant and gain practical insights of the unit and its related parameters.

The students are 22 in number and will be accompanied by **2 faculty** members to maintain discipline and safety. We need permission for *One day* so that 22 students along with four faculty members can visit on day. Kindly allot the dates of visit in between **22nd March, 2025 to 12th April, 2025** as per your convenience. We do humble request you to consider our proposal and sanction permission to our students to visit your prestigious project.

Details of Visit Coordinator is as follows:
Name: Prof. P. D. Jadhav, (Mob. No: +919765489211)
E-mail ID: parag.jadhav@sapkalknowledgehub.org

Thanking you

Yours truly,

Prof. Dr. T. Y.Badgujar
Head, Mechanical Engg. Dept.

G. N. Sapkal College of Engineering Anjaneri Nasik 422 212

Prof. Dr. S. B. Bagal
Principal

Date: 17/03/2025

To,
The Principal,
Late G. N. Sapkal COE,
Nasik.

Subject: Regarding Permission of visit for students of Final year Mechanical Engineering…

Dear Sir,

As per your letter of Ref. No. KCT/GNSCOE/MECH/2024-25/322; Dated: 17/03/2025, we would like to inform you that your final year Mechanical Students visit to our Kadwa Sugar Factory to gain the Practical knowledge Trial on Steam Power Plant along with Co-generation Power plant will be permitted on 05/04/2025.

Yours Truly,

Kadwa Sahakari Sakhar Karkhana Ltd.
Materewadi, Tal:Dindori,Maharashtra, 422202

mail: kadwasakar@yahoo.com
mail: kadwasugar@gmail.com GST NO. 27AAAAK1052F1Z4
Office: (02557) 237181 to 237184
Fax: (02557) 237185

Regd. No. NSK/PRG (A) (3) (S) Dated 15/10/1970

THE KADWA SAHAKARI SAKHAR KARKHANA LTD., MATEREWADI

Rajaramnagar, Tal. Dindori, Dist. Nashik. (Maharashtra) Pin - 422 209

कादवा सहकारी साखर कारखाना लि., मातेरेवाडी,

राजारामनगर, ता. दिंडोरी, जि. नाशिक. (महाराष्ट्र - ४२२ २०९)

संदर्भ - प्रशासन /सुरक्षा/ /2024-25 दि.28/03/2025

प्रती,
प्राचार्य,
सपकाळ कॉलेज,
जि.नाशिक 422213

विषय - औद्योगिक शैक्षणिक अंतर्गत कारखान्यास भेट देणेबाबत..

वरील संदर्भिय पत्रानुसार आपले महाविद्यालयातील शिक्षक व विद्यार्थी यांना खालील अटी व शर्तींवर कारखान्यामध्ये भेट देण्यास मंजुरी देण्यात येत आहे.

1) कारखान्यामध्ये भेट देण्यापुर्वी आपले सर्वांचे मोबाईल आप-आपल्या जबाबदारीवर कारखाना मेन गेटवर जमा करावे लागतील.
2) कारखान्यामध्ये भेट देत असताना कोणत्याही प्रकारची गर्दी गोंधळ न करता अपघात होणार नाही याची दक्षता घ्यावी.
3) कारखाना भेटी दरम्यान काही अपघात झालेस त्याची सर्वस्वी जबाबदारी आपल्या महाविद्यालयातील राहील.
4) कारखाना भेटी दरम्यान कारखाना मालमत्तेचे काही नुकसान झाल्यास त्यास आपले महाविद्यालयातील व्यवस्थापनास जबाबदार धरण्यात येईल.

वरील अटी व शर्तींस अधीन राहुन तुमचे महाविद्यालयातील भेट देण्यास परवानगी देण्यात येत आहे.

प्र.कार्यकारी संचालक
कादवा सह.सा.का.लि., मातेरेवाडी

वरील अटी व शर्ती मान्य असल्याबद्दल सोबतचे प्रतीवर स्वाक्षरी करावी.

नाव
सही

PRINCIPAL
Kalyani Charitable Trust's
Law College
Sapkal Knowledge City
Anjaneri
Nashik
422 213

Anjaneri
Nashik
422 212

Kalyani Charitable Trust's
Late G. N. Sapkal College of Engineering
Sapkal Knowledge Hub, Kalyani Hills, Anjaneri, Trimbakeshwar Road,
Nashik – 422 212, Maharashtra State, India
Tel: +91-2594-220168/71; Fax: +91-2594-220174
Website: www.sapkalknowledgehub.org;
E-mail: gns_engineering@sapkalknowledgehub.com

Date: 31/04/2025

To,

The Principal,
Late G. N. Sapkal,
College of Engineering, Anjaneri,
Nasik

Subject: Permission to go for industrial visit with students of Final year Mechanical Engineering

Respected Sir,

With reference to above subject we have planned industrial visit for the subject **'Energy Engineering'** in Kadwa Sahakari Sakhar Karkhana Ltd, Materewadi, Tal: Dindori, **Nashik**, they have given permission to visit in their organization for 1 days with a 22 number of student.

Date	Time	Div.	Name of Staff
05/04/2025	9.00 am to 4.00 pm	BE	Prof. P. D. Jadhav

Kindly permit us to go for visit as per above mention schedule.

Thanking You,

R/s
Forwarded with recommendation
31/3/2025

Permitted with all required formalities
31/03/2025

Yours Faithfully,

(Prof. P. D. Jadhav)
Visit Coordinator

Late G. N. Sapkal College of Engineering
Anjaneri
Nashik
422 212

Late G. N. Sapkal College of Engineering

MECHANICAL ENGINEERING DEPARTMENT

MOVEMENT ORDER

Date: Wednesday, March 26, 2025

Name of Applicant :	1. Prof. P. D. Jadhav 2. Prof. M. V. Jadhav
Designation:	1. Assistant Professor 2. Assistant Professor
Purpose of visit :	Industrial Visit at Kadwa Sahakari Sakhar Karkhana Ltd. Nashik
Duration of visit	01 Day
Is there any teaching assignment during this period	No Any
Address during leave period & Contact no.	Kadwa Sahakari Sakhar Karkhana Ltd.
Whether any financial assistance is required (Please state the requirements)	
Whether any stipend/ fees/ honorarium is being provided by the host institute Please enclose invitation/offer letter	NA
Any other requirements (please specify)	No Any -

SIGNATURE OF APPLICANT WITH DATE

RECOMMANED/~~NON RECOMMANED~~

Prof. Dr. T. Y. Badgujar
Head,
Mechanical Engineering Deaprtment

Prof. Dr. S. B. Bagal
Principal
Late G. N. Sapkal College of Engineering

Prof.(Dr.) Sahebrao B. Bagal
Principal
Late G. N. Sapkal College of Engineering
Anjaneri, Nashik-422 213.

Late G. N. Sapkal College of Engineering Anjaneri Nashik 422 212

Late G. N. Sapkal College of Engineering Anjaneri Nashik 422 212

[Format Trust-15-04]

Kalyani Charitable Trust's
Sapkal Knowledge Hub
Sapkal Knowledge hub, Kalyani Hills, Anjaneri, Wadholi,
Trimmbakeshwar Road – 422 213
Phone: (02594) 220167 to 70, Fax: (02594) 220174

Vehicle Requirement Note

Ref.No:-ois/req./veh/2024-25/12 Date:- 03/04/2023

To,
The Director,
KCT's Sapkal Knowledge Hub,
Nashik.

Dear Sir,

Request for vehicle requirement, Please provide the vehicle as per following details.

Journey:-

Date :- 05/04/2025	Time:- 9.00 am
From :- Thakkar Bazzar, Nashik	To :- Kadwa Sahakari Sakhar Karkhana Ltd

Return Journey:-

Date:- 05/04/2025	Time:- 3.30 pm
From:- Kadwa Sahakari Sakhar Karkhana Ltd	To:- Thakkar Bazzar, Nashik

Concern Staff : - Mr. M V. Jadhav, Mr. J. R. Mahajan, Mr. P. D. Jadhav
Contact Number : - 9765572008, 8830035367

Purpose:-

Industrial visit

Type of Vehicle:-

Bus
- 54 Seater ☐
- 42 Seater ☐
- 40 Seater ☑

LMV :-
- Winger 13 Seater ☐
- Scorpio ☐
- Tavera ☐
- Ford ☐

Submitted for your approval.
Thanking You.

4/4/2025
Section Head /HOD

K.T.'s S.N. Sapkal College of Engineering Anjaneri Nashik 422 213

Principal / Director
04/4/2025

Kalyani Charitable Trust's

Late G. N. Sapkal College of Engineering

Kalyani Hills, Anjaneri, Trimbakeshwar Road, Nashik – 422 213

Attendance Sheet

Activity Title: **Visit to Kadwa Sugar Factory**

Date: 05/04/2025

Department: Mechanical

Venue: Kadawa Sugar Factory, Dindori, Nashik

Attendees

Sr. No.	Name	Department	Sign.
1.	Hemraj Vasant wagh	B.E. mech	
2.	Omkar Jalindar gade	B.E. mech	
3.	Vaibhav Kailas Gangade	B.E. mech	
4.	Bhushan Dilip chaudhari	B.E. mech	
5.	Chetan Bhausaheb Pagar	B.E mech	
6.	Khan Sarik Shamshad	B.E. Mech	
7.	Pawas Nilesh Mainkar	B.E. Mech	
8.	Farhan Attar	B.E. Mech	
9.	Gaus Sameer Patel	B.E. Mech	
10.	Tushar Unde	B.E. Mech	
11.	Krushna Gandge	B.E. Mech	
12.	Hasrad S. Wadekar.	BE. Mech	
13.	Sonawane Dhananjay	BE. mech	
14.	Mayur Sonawane	BE. Mech	
15.	Kapse Kalyani M.	BE Mech	

Late G. N. Sapkal College of Engineering
Anjaneri
Nashik
422 212

Sr. No.	Name	Department	Sign.
16.	Amarnath Eknath Pardhi	B.E. ME	
17.	Abhishek Babulal Ahire	B.E. ME	
18.	Prasad Bhaskar Dashpute	BE. ME	
19.	Barve Vedika Sunil	BE. ME	
20.	Pagare Hemant Sopan	BE. ME	
21.	Parth Parag Ahire	BE. ME	
22.	Khirkade Sanket Sudam	B.E ME	
23.			
24.			
25.			
26.			

Late G. N. Sapkal College of Engineering
Anjaneri
Nashik
422 212

Conduction Certificate

This is to certify that the 01 faculty member and 22 Students of Late G. N. Sapkal College of Engineering have visited our industry on 05th April 2025, (Saturday). The purpose of visit is Trial on Steam Power Plant along with visit to Co-generation Power plant.

This visit is planned as per academic curriculum of the subject Energy Engineering. Students learn the working and exposure of industrial Boiler and Steam turbine along with trial reading on power plant also visit to cogeneration plant, which is explained by our expert during the visit. The behavior of students was good during visit.

Name of Faculty Member – Prof. P. D. Jadhav

Kadwa Sahakari Sakhar Karkhana Ltd.
Materewadi, Tal:Dindori, Maharashtra, 422202

Kalyani Charitable Trust's

Late G. N. Sapkal College of Engineering

Sapkal Knowledge Hub, Kalyani Hills, Anjaneri, Trimbakeshwar Road, Nashik - 422 212, Maharashtra State, India

UNDERTAKING

I Mr./Ms. Hemraj Yashwant Wagh Son/Daughter of Yashwant Nimba

Resident of (Full address) Vishwal Nagar, Ashok Nagar, Sadgur Nashik

and Contact number (self) 9921826554 and (parents) 9921082582 Roll No &Division 28

---Presently studying in Department of **Mechanical** in Late G.N.Sapkal college of Engineering, Nashik.

My parents allow me go to Educational Visit /Tour to **Thakkaar Bazzar** to **Kadwa Sahakari Sakhar Karkhana Ltd** on 05/04/2025.

Ihereby undertake to comply with the following terms and conditions:-

1. I will compulsory follow the rules prescribed by the college.
2. In case of any accident or damage I & my parent will be totally responsible.
3. I will conduct myself in a highly discipline manner.
4. I will not cause or involve in any sort of misbehavior.

Late G. N. Sapkal College of Engineering Anjaneri Nashik 422 212

Name & Signature of Parent: - Yashwant Nimba Wagh Place: - Nashik

Name & signature of Student:- Hemraj Yashwant Wagh Date:- 05/04/2025

Kalyani Charitable Trust's

Late G. N. Sapkal College of Engineering

Sapkal Knowledge Hub, Kalyani Hills, Anjaneri, Trimbakeshwar Road, Nashik - 422 212, Maharashtra State, India

UNDERTAKING

I Mr./Ms. OMKAR GADE Son/Daughter of Jalindar Gade

Resident of (Full address) malwadabad road sanjivan nagar Nashik

and Contact number (self) 8329268507 and (parents) 9356626464 Roll No &Division 8

---Presently studying in Department of **Mechanical** in Late G.N.Sapkal college of Engineering, Nashik.

My parents allow me go to Educational Visit /Tour to **Thakkaar Bazzar** to **Kadwa Sahakari Sakhar Karkhana Ltd** on 05/04/2025.

Ihereby undertake to comply with the following terms and conditions:-

5. I will compulsory follow the rules prescribed by the college.
6. In case of any accident or damage I & my parent will be totally responsible.
7. I will conduct myself in a highly discipline manner.
8. I will not cause or involve in any sort of misbehavior.

Late G. N. Sapkal College of Engineering Anjaneri Nashik 422 212

Name & Signature of Parent: - Jalindar Gade Place: - Nashik

Name & signature of Student:- Omkar Gade Date:- 5/4/25

Kalyani Charitable Trust's

Late G. N. Sapkal College of Engineering

Sapkal Knowledge Hub, Kalyani Hills, Anjaneri, Trimbakeshwar Road, Nashik - 422 212, Maharashtra State, India

UNDERTAKING

I Mr./Ms. Gangade Vaibhav Kailas ...Son/Daughter of.....Kailas Gangade

Resident of (Full address) at po - Mahasje Tal - Dindori Dist- Nashik

and Contact number (self) 7057537974 and (parents) 9552347137 ....Roll No &Division 72254536

B.E---Presently studying in Department of **Mechanical** in Late G.N.Sapkal college of Engineering, Nashik.

My parents allow me go to Educational Visit /Tour to **Thakkaar Bazzar** to **Kadwa Sahakari Sakhar Karkhana Ltd** on 05/04/2025.

Ihereby undertake to comply with the following terms and conditions:-

5. I will compulsory follow the rules prescribed by the college.
6. In case of any accident or damage I & my parent will be totally responsible.
7. I will conduct myself in a highly discipline manner.
8. I will not cause or involve in any sort of misbehavior.

Name & Signature of Parent: - ..... Place: - Nashik

Name & signature of Student:- ..... Date:- 5/4/2025

Late G. N. Sapkal College of Engineering Anjaneri Nashik 422 212

Kalyani Charitable Trust's

Late G. N. Sapkal College of Engineering

Sapkal Knowledge Hub, Kalyani Hills, Anjaneri, Trimbakeshwar Road, Nashik - 422 212, Maharashtra State, India

UNDERTAKING

I Mr./Ms. Chaudhari Bhushan Dilip ....Son/Daughter of. Dilip B. Chaudhari

Resident of (Full address) Savata Nagar cidco Nashik

and Contact number (self) 7507834874 and (parents) 9403259564 ..Roll No &Division 72254539J

BE---Presently studying in Department of **Mechanical** in Late G.N.Sapkal college of Engineering, Nashik.

My parents allow me go to Educational Visit /Tour to **Thakkaar Bazzar** to **Kadwa Sahakari Sakhar Karkhana Ltd** on 05/04/2025.

Ihereby undertake to comply with the following terms and conditions:-

5. I will compulsory follow the rules prescribed by the college.
6. In case of any accident or damage I & my parent will be totally responsible.
7. I will conduct myself in a highly discipline manner.
8. I will not cause or involve in any sort of misbehavior.

Name & Signature of Parent: - Chaudhari ..... Place: - Nashik

Name & signature of Student:- Chaudhari ..... Date:- 5/4/25

Late G. N. Sapkal College of Engineering Anjaneri Nashik 422 212

Kalyani Charitable Trust's

Late G. N. Sapkal College of Engineering

Sapkal Knowledge Hub, Kalyani Hills, Anjaneri, Trimbakeshwar Road, Nashik - 422 212, Maharashtra State, India

UNDERTAKING

I Mr./Ms. Chetan Bhausaheb Pagar Son/Daughter of Bhausaheb Pagar

Resident of (Full address) Amey Apartment Near Pathe Bunglow,

and Contact number (self) 9881567961 and (parents) 7588619125 Roll No &Division ------

---Presently studying in Department of **Mechanical** in Late G.N.Sapkal college of Engineering, Nashik.

My parents allow me go to Educational Visit /Tour to **Thakkaar Bazzar** to **Kadwa Sahakari Sakhar Karkhana Ltd** on 05/04/2025.

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Late G. N. Sapkal College of Engineering Anjaneri Nashik 422 212

Name & Signature of Parent: - ..... Place: - Nashik

Name & signature of Student:- ..... Date:- Nashik

KALYANI CHARITABLE TRUST'S
LATE G. N. SAPKAL COLLEGE OF ENGINEERING
SAPKAL KNOWLEDGE HUB
Kalyani Hills, Anjaneri-Vadholi, Trimbakeshwar Road, Dist: Nashik – 422 212 (India)
Tel.: +91 – 2594 – 220168/71, Fax : +91 – 2594 – 220174
Website:www.sapkalknowledgehub.org, E-mail: gns_engineering@sapkalknowledgehub.com

RESOURCE PERSON's FEEDBACK FORM

1. **Name and Address of the Resource Person (With e-mail address & Mob. No.):**
   Ms. Shrihari Daulat
   Kadwa Sahkari Sakhar Karkhana LTD.
   Matheswadi – Dindori – 422202.

2. **Comments about the Infrastructural capacity of the organizing Institute/Department:**
   —

3. **Comments on the boarding and lodging facilities made available:**
   —

4. **Resource Person views on the program:**
   Good Industrial Exposure to Students along with actual Trial.

5. **Comments about the interaction with the participating students:**
   Interactive :

6. **Suggestions to further improvement in the program:**
   —

7. **Overall impact of the program:**
   Good.

SIGN: Daulat

Topic of Program: Industrial Visit to Kadwa Sakhar Karkhana.

Dates and Duration of the program: 5/4/2025 9.00 am – 4.00 pm.

Date of participation of Resource Person: 5/4/2025.

G. N. Sapkal College of Engineering
Anjaneri
Nashik
422 212

Kalyani Charitable Trust, Late Gambhirrao Natuba Sapkal College of Engineering, Anjaneri, Trimbakeshwar Road, Nashik

Feedback Analysis

Title : EE Industrial Visit Trial on Steam Turbine Plant at Kadwa Sugar Factory
Academic Year : 2024-25
Class : Eighth Semester BE A [Mechanical Engineering]
Details : Activity

Total number of response(s) : 22 / 23

Question	How well did the steam trial help you understand the layout and components of a thermal power plant?			
Answer	Value	No. of response(s)	Response value	Response %
Very Useful	5	18	90	81.82
Moderately Useful	4	4	16	14.55
Not Useful	3	0	0	0.00
Performance				96.36
Final Attainment				2.89

Question	Linking theoretical knowledge with practical applications			
Answer	Value	No. of response(s)	Response value	Response %
Strongly Agree	5	14	70	63.64
Agree	4	6	24	21.82
Neutral	3	2	6	5.45
Disagree	2	0	0	0.00
Performance				90.91
Final Attainment				2.73

Question	Were the technical explanations provided by industry experts clear and informative?			
Answer	Value	No. of response(s)	Response value	Response %
Yes, completely	5	16	80	72.73
Somewhat	4	5	20	18.18
No, not at all	3	1	3	2.73
Performance				93.64
Final Attainment				2.81

Question	Exposure to actual working conditions and challenges			
Answer	Value	No. of response(s)	Response value	Response %
Excellent	5	18	90	81.82
Good	4	2	8	7.27
Average	3	2	6	5.45
Poor	2	0	0	0.00
Performance				94.55
Final Attainment				2.84

Question	Did the visit enhance your understanding of energy efficiency and sustainability in power generation?			
Answer	Value	No. of response(s)	Response value	Response %
Yes, to a great extent	5	13	65	59.09
Yes, to some extent	4	9	36	32.73
Not much	3	0	0	0.00
Performance				91.82
Final Attainment				2.75

Question	How effectively were modern engineering tools or instruments used in the steam power plant for measurement and analysis?			
Answer	Value	No. of response(s)	Response value	Response %
Very Effectively	5	15	75	68.18
Moderately Effectively	4	7	28	25.45
Not Effectively	3	0	0	0.00
Performance				93.64
Final Attainment				2.81

Question	How well was the visit organized in terms of content, safety, and learning experience?			
Answer	Value	No. of response(s)	Response value	Response %
Very Well Organized	5	16	80	72.73
Satisfactory	4	5	20	18.18
Needs Improvement	3	1	3	2.73
Performance				90.64
Final Attainment				2.81

Question	Did the trial improve your ability to communicate and document technical observations?			
Answer	Value	No. of response(s)	Response value	Response %
Yes, significantly	5	17	85	77.27
Yes, to some extent	4	5	20	18.18
No, not much	3	0	0	0.00
Performance				95.45
Final Attainment				2.86

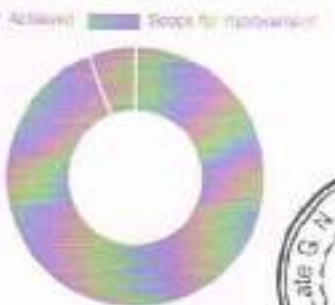
Question	Would you recommend such industrial visits for future batches?			
Answer	Value	No. of response(s)	Response value	Response %
Yes	5	18	90	81.82
No	4	4	16	14.55
Performance				96.36
Final Attainment				2.89

NOTE:

- Response Value = (Value * Total Number of Responses)
- Response % = (Response Value / (Max Value * Total Number of Responses))

Questionwise Attainment

Activity Number	Attainment
1	2.89
2	2.73
3	2.81
4	2.84
5	2.75
6	2.81
7	2.81
8	2.86
9	2.89



Program outcome and question mapping

AO	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q1	Q2
AO1	3												3	
AO2		3											3	
AO3										2			2	
AO4					3									3
AO5							3						3	
AO6					3									3
AO7						2							2	
AO8										2				2
AO9												2	2	
Average	3.00	3.00			3.00	2.00	3.00			2.00		2.00	2.50	2.67

Program outcome attainment

AO	AO Attainment	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q1	Q2
AO1	2.89	2.89												2.89	
AO2	2.73		2.73											2.73	
AO3	2.81										1.87			1.87	
AO4	2.84					2.84									2.84
AO5	2.75							2.75						2.75	
AO6	2.81					2.81									2.81
AO7	2.81						1.87							1.87	
AO8	2.86										1.91				1.91
AO9	2.69												1.93	1.93	
Average	2.82	2.89	2.73			2.83	1.87	2.75			1.89		1.93	2.34	2.52

Achieved 94.04 | Scope for improvement 5.96

Kalyani Charitable Trust, Late Gambhirrao Natuba Sapkal College of Engineering, Anjaneri, Trimbakeshwar Road, Nashik

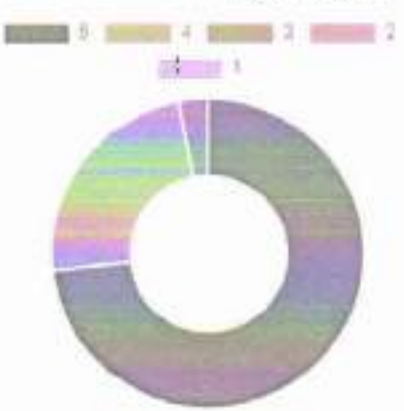
Feedback Analysis

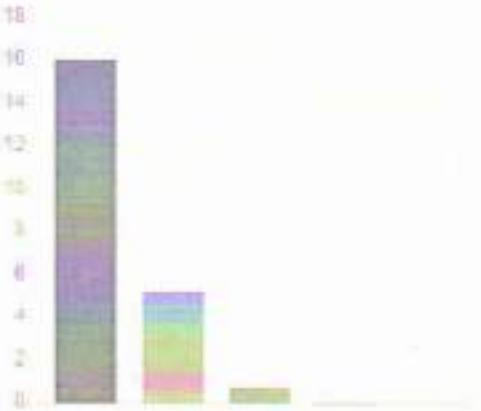
Title : EE Industrial Visit Trial on Steam Turbine Plant at Kadwa Sugar Factory
Academic Year : 2024-25
Class : Eighth Semester BE A [Mechanical Engineering]
Details : Activity

Total number of response(s) : 22 / 23

Question	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
How well did the steam trial help you understand the layout and components of a thermal power plant?	5	5	5	5	5	5	5	5	4	5	5	5	4	5	5	5	4	5	5	5	5	4
Linking theoretical knowledge with practical applications	5	4	4	5	5	5	4	5	3	5	5	5	5	5	5	4	4	5	4	5	5	3
Were the technical explanations provided by industry experts clear and informative?	5	4	4	5	5	5	3	5	4	5	5	5	4	5	5	5	5	5	5	4	5	5
Exposure to actual working conditions and challenges	5	5	5	5	5	5	5	5	3	5	5	5	5	5	5	4	5	4	5	5	5	3
Did the visit enhance your understanding of energy efficiency and sustainability in power generation?	5	4	4	4	5	5	4	5	4	5	5	5	5	5	5	4	4	5	4	5	5	4
How effectively were modern engineering tools or instruments used in the steam power plant for measurement and analysis?	5	4	4	5	5	5	5	5	4	5	5	4	4	5	5	5	5	4	5	4	5	5
How well was the visit organized in terms of content, safety, and learning experience?	5	5	4	5	5	5	3	5	4	5	5	5	4	5	5	5	4	5	4	5	5	5
Did the trial improve your ability to communicate and document technical observations?	5	4	4	5	5	5	5	5	4	5	5	5	4	5	5	5	4	5	5	5	5	5
Would you recommend such industrial visits for future batches?	5	5	5	4	5	5	4	5	4	5	5	5	4	5	5	5	5	5	5	5	5	5

Question	Response Value					Average
	5	4	3	2	1	
How well did the steam trial help you understand the layout and components of a thermal power plant?	18	4	0	0	0	4.82
Linking theoretical knowledge with practical applications	14	6	2	0	0	4.55
Were the technical explanations provided by industry experts clear and informative?	16	5	1	0	0	4.68
Exposure to actual working conditions and challenges	18	2	2	0	0	4.73
Did the visit enhance your understanding of energy efficiency and sustainability in power generation?	13	9	0	0	0	4.59
How effectively were modern engineering tools or instruments used in the steam power plant for measurement and analysis?	15	7	0	0	0	4.68
How well was the visit organized in terms of content, safety, and learning experience?	16	5	1	0	0	4.68
Did the trial improve your ability to communicate and document technical observations?	17	5	0	0	0	4.77





Question	Response Value					Average
	5	4	3	2	1	
Would you recommend such industrial visits for future batches?	18	4	0	0	0	4.82
Overall Average	16.11	5.22	0.67	0.00	0.00	**4.70**

Kalyani Charitable Trust, Late Gambhirrao Natuba Sapkal College of Engineering, Anjaneri, Trimbakeshwar Road, Nashik

Feedback Analysis

Title : EE Industrial Visit Cogeneration plant at Kadwa Sugar Factory
Academic Year : 2024-25
Class : Eighth Semester BE A [Mechanical Engineering]
Details : Activity

Total number of response(s) : 22 / 23

Question	How useful was the industrial visit in understanding cogeneration and steam power plant operation?			
Answer	Value	No. of response(s)	Response value	Response %
Very Useful	5	19	95	86.36
Moderately Useful	4	3	12	10.91
Not Useful	3	0	0	0.00
Performance				97.27
Final Attainment				2.92

Question	Did the visit help in linking theoretical knowledge with practical applications?			
Answer	Value	No. of response(s)	Response value	Response %
Strongly Agree	5	12	60	54.55
Agree	4	9	36	32.73
Neutral	3	1	3	2.73
Disagree	2	0	0	0.00
Performance				90.00
Final Attainment				2.70

Question	Were the technical explanations provided by industry experts clear and informative?			
Answer	Value	No. of response(s)	Response value	Response %
Yes, completely	5	15	75	68.18
Somewhat	4	6	24	21.82
No, not at all	3	1	3	2.73
Performance				92.73
Final Attainment				2.78

Question	How would you rate the exposure to actual working conditions and challenges in cogeneration?			
Answer	Value	No. of response(s)	Response value	Response %
Excellent	5	14	70	63.64
Good	4	7	28	25.45
Average	3	0	0	0.00
Poor	2	1	2	1.82
Performance				90.91
Final Attainment				2.73

Question	Did the visit enhance your understanding of energy efficiency and sustainability in power generation?			
Answer	Value	No. of response(s)	Response value	Response %
Yes, to a great extent	5	17	85	77.27
Yes, to some extent	4	5	20	18.18
Not much	3	0	0	0.00
Performance				95.45
Final Attainment				2.86

Question	How well was the visit organized in terms of content, safety, and learning experience?			
Answer	Value	No. of response(s)	Response value	Response %
Very Well Organized	5	16	80	72.73
Satisfactory	4	5	20	18.18
Needs Improvement	3	1	3	2.73
Performance				93.64
Final Attainment				2.81

Question	Would you recommend such industrial visits for future batches?			
Answer	Value	No. of response(s)	Response value	Response %
Yes	5	22	110	100.00
No	4	0	0	0.00
Performance				100.00
Final Attainment				3.00

NOTE:

- Response Value = (Value * Total Number of Responses)
- Response % = (Response Value / (Max Value * Total Number of Responses))

Questionwise Attainment

Activity Number	Attainment
1	2.92
2	2.70
3	2.78
4	2.73
5	2.86
6	2.81
7	3.00

Program outcome and question mapping

AO	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q1	Q2
AO1	3						3						3	
AO2	3				3								3	
AO3										2				
AO4		2		2									2	
AO5						3	3							
AO6								2	2					
AO7												3		
Average	3.00	2.00		2.00	3.00	3.00	3.00	2.00	2.00	2.00		3.00	2.67	

Program outcome attainment

AO	AO Attainment	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q1	Q2
AO1	2.92	2.92						2.92						2.92	
AO2	2.70	2.70				2.70								2.70	
AO3	2.78										1.85				
AO4	2.73		1.82		1.82									1.82	
AO5	2.86						2.86	2.86							
AO6	2.81								1.87	1.87					
AO7	3.00												3.00		
Average	2.83	2.81	1.82		1.82	2.70	2.86	2.89	1.87	1.87	1.85		3.00	2.48	

Achieved 94.29 | Scope for improvement 5.71

Kalyani Charitable Trust, Late Gambhirrao Natuba Sapkal College of Engineering, Anjaneri, Trimbakeshwar Road, Nashik

Feedback Analysis

Title : EE Industrial Visit Cogeneration plant at Kadwa Sugar Factory
Academic Year : 2024-25
Class : Eighth Semester BE A [Mechanical Engineering]
Details : Activity

Total number of response(s) : 22 / 23

Question	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
How useful was the industrial visit in understanding cogeneration and steam power plant operation?	5	5	5	5	5	5	5	5	4	5	5	5	4	5	5	5	4	5	5	5	5	5
Did the visit help in linking theoretical knowledge with practical applications?	4	4	5	5	5	5	4	5	3	5	5	5	4	5	5	5	4	4	4	4	4	5
Were the technical explanations provided by industry experts clear and informative?	5	5	5	5	5	5	5	5	3	5	5	5	4	5	5	4	4	5	4	4	5	4
How would you rate the exposure to actual working conditions and challenges in cogeneration?	5	4	5	5	5	5	2	5	4	5	5	4	4	5	5	5	4	4	5	5	4	5
Did the visit enhance your understanding of energy efficiency and sustainability in power generation?	5	4	5	5	5	5	5	5	4	5	5	5	4	5	5	5	4	4	5	5	5	5
How well was the visit organized in terms of content, safety, and learning experience?	5	5	5	5	5	5	3	5	5	5	5	4	4	5	5	5	4	5	4	5	5	4
Would you recommend such industrial visits for future batches?	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5

Question	Response Value					Average
	5	4	3	2	1	
How useful was the industrial visit in understanding cogeneration and steam power plant operation?	19	3	0	0	0	4.86
Did the visit help in linking theoretical knowledge with practical applications?	12	9	1	0	0	4.50
Were the technical explanations provided by industry experts clear and informative?	15	6	1	0	0	4.64
How would you rate the exposure to actual working conditions and challenges in cogeneration?	14	7	0	1	0	4.55
Did the visit enhance your understanding of energy efficiency and sustainability in power generation?	17	5	0	0	0	4.77
How well was the visit organized in terms of content, safety, and learning experience?	18	5	1	0	0	4.68
Would you recommend such industrial visits for future batches?	22	0	0	0	0	5.00
Overall Average	16.43	5.00	0.43	0.14	0.00	**4.71**