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Mech. Engg. Dept. **AIMSS Activity Report** AY:2021-22

Activity Report

S.No.	Title of the information	Information in brief					
1	Identified Gap No/s.:	14					
2	Activity Type:	Industry Visit					
3	Activity/Event Organizer/s or	Dr. S. N. Topannavar, Professor and HOD, Mechanical					
3	Coordinator/s:	Engineering	Engineering Department, HIT Nidasoshi				
4	Title of the Activity/Event:	Industry Vis	it at Sangam Suga	r Factory, Hidka	l		
5	Date:	14-02- 2022					
6	Venue:	Hidkal, Talu	ık : Hukkeri, Distr	ict: Belagavi			
7	Objectives:	1. To unde 2. To unde accessor 3. To unde 4. To Unde adopted	 To understand the working principles of cogeneration To understand the boiler working principle and its accessories. To understand layouts of sugar plants. 				
8	Activity Outcomes:	 Sugar industries are the oldest food processing industry and are interlinked with environmental aspects. Understand generate electricity from steam using waste materials obtained during the industrial process and also process heat for the industry itself. 					
9	Details of Resource Person/s with contact details:	The Chief E	ngineer, Sangam S	lugar Factory, Hi	dkal		
10	Finance Management:	Expenses in	curred by the Depa	rtment Associati	on (AIMSS)		
11	No. of participants	Students: B	oys: 10 & Girls: 0	0, Staff:			
12	Mapped POs, Weight-age assigned & %age of attainment: PO (Weight-age)	PO mapped PO1 PO2 PO3 PO4 PO5 PO6 PO7 PO8 PO9 PO10 PO11 PO12	Weight-age assigned (1/2/3) 3 3 3 3 3 3 3 3 3 3 3 3	%age of Attainment 99.6 99.6 99.6 99.6 99.6 99.6 99.6 99	Level of attainment 2.988 2.988 2.988 2.988 2.988 2.988 2.988 2.988 2.988 2.988 2.988 2.988 2.988 2.988		
13	Mapped PSOs, Weight-age assigned & %age of attainment: PSO (Weight-age)	PSO mapped - PSO1 PSO2 PSO3	Weight-age assigned (1/2/3) 3 3 3	%age of Attainment 99.6 99.6 99.6	Level of attainment 2.988 2.988 2.988		
14	Outcomes achieved/Impact analysis:	PO6, PO found sa	vity mapped with D7, PO8, PO9, Postisfactory with an he Mapped values	O10, and PO11 attainment leve	& PO12 was el of 2.988 each		

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Mech. Engg. Dept. AIMSS **Activity Report** AY:2021-22

2. The activity mapped with PSO1, PSO2 & PSO3 was found satisfactory with an attainment level of 2.988 each against the Mapped value during the impact analysis.

Photo Gallery



Site Engineer is delivering about crushing mechanism of sugar cane into sugar during industry visit held on 14th February 2022.



Staff and students attended an industry visit at Sangam Sugar Factory, Hidkal held on 14th February

Mr. Vivekanand Kambi **AIMSS Secretary**

Prof.M.M.Shivashimpi&Prof.D.N.Inamdar AIMSS-Coordinator/s

Dr.S.N.Topannavar

HOD Mechanical Engg. HIT, Nidasoshi



Hirasugar Institute of Technology, Nidasoshi.

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DEPARTMENT OF CIVIL ENGINEERING

Dept. Civil. Engg.

Request Letter

2021-22

Ref. No: HIT/CIVIL/03/2021-22

Date: 31/01/2022

To,
The Executive Engineer
K.N.N.L, G.R.B.C.C,Div. No-02
Hidakal Dam,
Tq; Hukkeri, Dist. Belagavi

Sub: Regarding Technical visit to Hidkal Dam for Second year Engineering Students,

Dear Sir,

With reference to above cited subject as a part of academic curriculum, the students and faculties of Department of Civil Engineering, S.J.P.N.T's Hirasugar Institute of Technology, Nidasoshi are going to visit your premises.

The students wish to visit the Dam site to understand Civil Engineering Concepts which is the part of their academic curriculum. We will undertake the responsibility of our students, for their behavior, any loss and damage during their visit.

Hence, we kindly request to permit the site visit and also provide valuable technical inputs so that our students can understand and appreciate.

The students (20No's) and faculties (06 No's) will be visiting the site on 14th Feb, 2022. (i.e., on Monday). The visit will be purely for academic purpose.

Kindly grant the permission for the same and do the needful.

Thanking You,

Yours Sincerely,

Coordinator

H.O.D HOD

Civil Engineering S.J.P.N.T's HIT, Nidasoshi



Hirasugar Institute of Technology, Nidasoshi.

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DEPARTMENT OF CIVIL ENGINEERING

Dept. Civil. Engg. Activity Co-curricular 2021-22

Date: 09-02-2022

To,

The Principal,

Hirasugar Institute of Technology,

Nidasoshi.

Sub: Regarding Technical Visit for Civil Engineering students to Hidakal Dam. & Sangam Sugar Factory Hickal.

Respected sir,

& Suger factor

With reference to above cited subject, we have planned a technical visit to Hidakal Dam for 3rd sem students and it is tentatively scheduled on 14th, Feb 2022 as a part of curriculum.

The students can understand concept of Dams, its parts and working.

Hence, kindly grant the permission and transportation facility for the same.

Thanking You,

Yours sincerely,

Co-ordinator

Co-ordinator

Co-ordinator

Co-ordinator

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Co-ordinator

Co-ordinator

Co-ordinator

Entormed of SHH9018302 Entormed of SHH9018302 Alloted House



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Mech.Engg.Dept **Industry Visit** Registration 2021-22 (OddSem)

Event: Industry Visit at Hidkal Dam Power House, Hidkal on 14th February 2022

Semester: III

R.No	STUDENT NAME	USN	Contact No.	Sinature	Remarks
1	AKASH RAJU PATIL	2HN20ME001	8970358852/62		
2	BASAVARAJ G KAMBAR	2HN20ME002	9945063960		
3	GONDHALI ATHARV SHANKAR	2HN20ME003	7498194119		
4	KAUSHIK SHIVAKALE	2HN20ME004	8762936555		·
5	PRAMOD B AMMANAGI	2HN20ME005	8904703863	#31	
6	SANGAMESH K SURAPPAGOL	2HN20ME006	9902826925	Ste	
7	YOGESH R DHANWADE	2HN20ME007	9663276591	9	
8	ABDULRAHIM B KAZI	Diploma	9964405656		
9	AKASH ASHOK BADIGER	Diploma	9591304521	Bosidiyes	
10	AKASH P MADIHALLI ~	Diploma	6360192823	Akort	
11	AKSHAY MAHADEV CHABBI ~	Diploma	6363959820	Mal.	
12	MALIKIAN MUJAWAR	Diploma	7676164379	W.	
13	NITISH RAVINDRA BANI	Diploma	9901851203	3	
14	RAHUL D MANGASULE	Diploma	9606379556		
15	RAHUL M NADESHWAR	Diploma	96206398438		
16	SACHIN S PUJERI	Diploma	7337825438	alm	
17	SHIVAPRABHU PATROT ~	Diploma	7760183609	Supartro	<u> </u>
18	SHIVARAJ B NEELAKANTH	Diploma	6361702459	,	
19	SHRINATH G SOOJI	Diploma	8310456559		
20	YASH RAMESH MANE	Diploma	8938251751		

Indusrial visit Coordinators

1. Dr. K.M.Akkoli - http://

2. Dr. M.M.Shivashimpi

3. Shri. V.G. Badiger

Mechanical Engg. HIT, Nidasoshi

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Mech.Engg.Dept
Industrial Visit
Physical Fitness
Certificate
2021-22 (OddSem)

Physical Fitness Certificate

This is certified that, the following students are physical fit to attend the industry visit at Sangam Sugar Factory, Hidakal on 14th February 2022.

Semester: III

R.No	STUDENT NAME	USN
1	AKASH RAJU PATIL	2HN20ME001
2	BASAVARAJ G KAMBAR	2HN20ME002
3	GONDHALI ATHARV SHANKAR	2HN20ME003
4	KAUSHIK SHIVAKALE	2HN20ME004
5	PRAMOD B AMMANAGI	2HN20ME005
6	SANGAMESH K SURAPPAGOL	2HN20ME006
7	YOGESH R DHANWADE	2HN20ME007
8	ABDULRAHIM B KAZI	Diploma
9	AKASH ASHOK BADIGER	Diploma
10	AKASH P MADIHALLI	Diploma
11	AKSHAY MAHADEV CHABBI	Diploma
12	MALIKJAN MUJAWAR	Diploma
13	NITISH RAVINDRA BANI	Diploma
14	RAHUL D MANGASULE	Diploma
15	RAHUL M NADESHWAR	Diploma
16	SACHIN S PUJERI	Diploma
17	SHIVAPRABHU PATROT	Diploma
18	SHIVARAJ B NEELAKANTH	Diploma
19	SHRINATH G SOOJI	Diploma
20	YASH RAMESH MANE	Diploma

M.O.
S.J.R.N. Trust's Discretion

UNDERTAKING

I the undersigned Mr/Ms. Yoge sh. Pawcoch Monecule studying in Lill. Semester, Mechanical Engineering Branch of Hirasugar Institute of Technology, Nidasoshi, interested to participate in industry Visit of Hidkal Dam Power House, Hidkal on 14/02/2022. I will obey the respective rules, regulations of the Institute and company and spot instructions given by the concerned authority during the visit without fail. I have undergone Medical checkup and fit to participate in Industry Visit. If anything happens wrong with me during the journey, I only responsible. The institute or the faculty of the institute is not responsible for any kind of damage or accidents or uneven things happen with me. I will not claim any kind of damages from institute. I have taken prior permission from my parents to participate in the above said event.

Name:	Yogesh. R. Dhonewoolp	USN:	2HN2OMEOO7
Mob. No:	9535420472	Parent Mob. No:	966 3276 59
Permanent Address:	At post: Ingali, Ty: chikk	ood; Dest	: Belagaup

Students Signature with Date

UNDERTAKING

I the undersigned Mr/Ms. Summed B. Ammonage. Studying in Semester, Mechanical Engineering Branch of Hirasugar Institute of Technology, Nidasoshi, interested to participate in industry Visit of Hidkal Dam Power House, Hidkal on 14/02/2022. I will obey the respective rules, regulations of the Institute and company and spot instructions given by the concerned authority during the visit without fail. I have undergone Medical checkup and fit to participate in Industry Visit. If anything happens wrong with me during the journey, I only responsible. The institute or the faculty of the institute is not responsible for any kind of damage or accidents or uneven things happen with me. I will not claim any kind of damages from institute. I have taken prior permission from my parents to participate in the above said event.

Name:	Buamod B Ammonage	USN:	24N2OMEOOS
Mob. No:	8904703863	Parent Mob. No:	8884243337
Permanent Address:	At: post: Nondagaon, 591	231 , Tq: Go	cak

(2/02/22 Students Signature with Date



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Mech.Engg.Dept **Industrial Visit Attendane**

2021-22 (OddSem)

Attendance Sheet

Event: Industry Visit at Sargan Sugar Factory, Hidkal on 14th February 2022

Semester: III

R.No	STUDENT NAME	USN	Contact No.	Sinature	Remarks
1	AKASH RAJU PATIL	2HN20ME001	8970358852/62		
2	BASAVARAJ G KAMBAR	2HN20ME002	9945063960		
3	GONDHALI ATHARV SHANKAR	2HN20ME003	7498194119		
4	KAUSHIK SHIVAKALE	2HN20ME004	8762936555		
<i>r</i> 5	PRAMOD B AMMANAGI	2HN20ME005	8904703863	**	
6	SANGAMESH K SURAPPAGOL	2HN20ME006	9902826925	Sk	
7	YOGESH R DHANWADE	2HN20ME007	9663276591	- Grand	
8	ABDULRAHIM B KAZI	Diploma	9964405656	٩	
* 9	AKASH ASHOK BADIGER	Diploma	9591304521	(Alb Badigu)	
10	AKASH P MADIHALLI	Diploma	6360192823	Alcert	
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-12	MALIKJAN MUJAWAR	Diploma	7676164379	No.	
13	NITISH RAVINDRA BANI	Diploma	9901851203	ALC.	
14	RAHUL D MANGASULE	Diploma	9606379556		
15	RAHUL M NADESHWAR	Diploma	96206398438		
16	SACHIN S PUJERI	Diploma	7337825438	Aln	
17	SHIVAPRABHU PATROT	Diploma	7760183609	Alen Supatrol	
18	SHIVARAJ B NEELAKANTH	Diploma	6361702459		
19	SHRINATH G SOOJI	Diploma	8310456559	-	
20	YASH RAMESH MANE	Diploma	8938251751		

Indusrial visit Coordinators

1. Dr. M.M.Shivashimpi

2. Shri. V.G. Badiger -

<mark>ಹಿಡಕಲ್ ಡ್ಯಾಮ</mark> ತಾ. ಮಕ್ಷೇರಿ ಜಿ. ಬೆಳಗಾವಿ

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Mech. Engg. Dept.

Academic

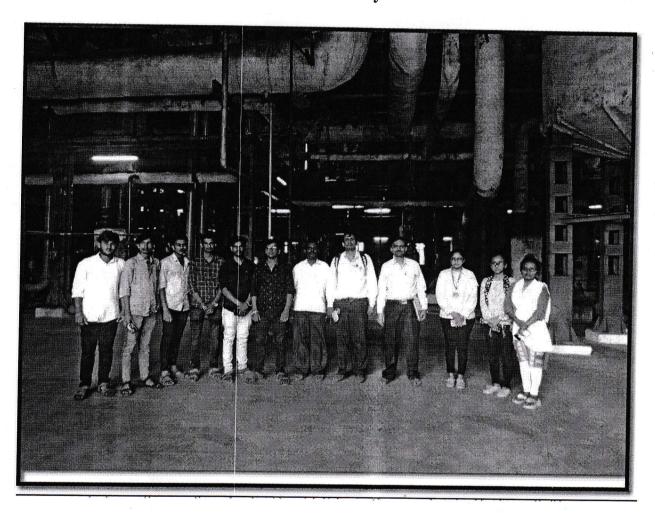
Industry Visit Report

AY:2021-22

Report on

Industry Visit to Sangam Sugar Factory, Tq: Hukkeri, Hidakal Dam

Date: 14th February 2022



Student Co-ordinator:

Mr. Shivuprabhu Patrot

Staff Co-ordinators:

1. Dr. M.M.Shivashimpi

2. Shri. V.G. Badiger

Dr. S. N. Topannavar

Mechanical Engg. HIT, Nidasoshi



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Academic

Industry Visit
Report

AY:2021-22

CONTENTS

SI. No	TOPIC	Page. No.
1	Sugar From Sugar Cane: Production Process With Flow Sheet	1
2	Sugar Production Process	1
3	Waste Product of the Sugar Industry	3
4	By-Products of Sugar Factory	3
5	Conclusions	3
6	Industry Visit Photo Gallery	3



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Industry Visit

Report

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1. Sugar from Sugar Cane: Production Process with Flow Sheet:

The bulk of sugar cane is cut by hand (manually) with a cane knife, but sometimes mechanical cutting is also being practiced in some other countries. The cut sugar cane is then loaded to vehicles and transported to the mill. At the first end of the factories the cane is usually weighted, washed and chopped into smaller pieces before the cane is feed to mills (Tandems) for juice extraction. Juice extraction is mostly done by passing the chopped cane through a series of rollers or horizontal mills. The rollers are laid in a triangle which is supported by a mill housing made of cast iron or cast steel.

The prime objective in sugar cane milling is to extract the greatest possible amount of sucrose from sugar cane, and to make the final bagasse as dry as possible so that it will burn readily in the boilers. The tandems are a train of mills preceded by various combinations of cane preparation devices. The power required by the mills is obtained from steam turbines followed by gear boxes for speed reduction. During the last few years diffusers have been installed in various sugar factories instead of mills. This new method of extracting sugar from sugar cane has proved advantageous from the technical point of view. Diffusion has been accepted as an efficient way of achieving high extraction. The capital investment and maintenance costs of diffusers are lower than those of mills, but the moisture of the bagasse obtained here is high hence reducing boiler efficiency.

2. Sugar Production Process:

Next to this important process, juice extraction, the raw cane juice is weighted and carried to liming process. The fibrous part called bagasse is transported to furnaces for burning. The liming station of the cane juice is one of the most important stations in a raw-cane sugar factory. Raw sugar cane juice is composed of a great number of organic and inorganic compounds, acids, salts etc in varying amounts. When it comes from the mill tandem, the juice is an opaque liquid varying in colour from greenish-Gray to dark green, and it carries suspended matter such as fine bagasse, gums, albumin, wax, colouring matter, particles of soil sand clay and muck. The normal cane juice has PH 5.2 – 5.4. The gums, wax and albumin make the raw sugar juice rather viscous, and it cannot, therefore, be readily filtered when cold. Liming and heating cause many impurities in the juice to become coagulated and precipitated out. At the same time the acids are neutralized, and any phosphates present are flocculated, adsorbing a large amount of colouring matter, solids and other impurities.

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Industry Visit

Report

AY:2021-22

Usually, the lime is added to the raw sugar cane juice in the form of milk of lime, for better dispersion and quicker reaction.

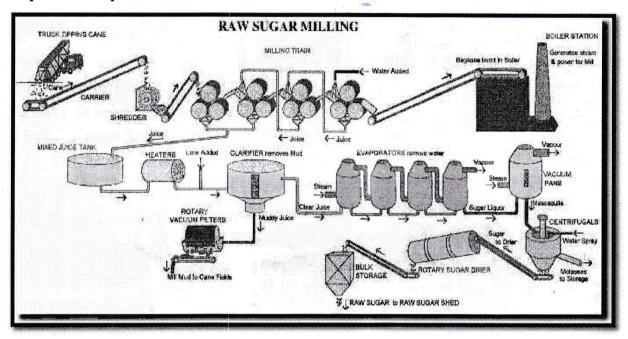


Figure 2.1 Schematic view of sugar production

The next process after liming of sugar cane juice is clarification. Without good clarification of sugar cane juice, the production of good quality raw sugar is impossible. The purpose of clarification is the precipitation and removal of all possible non sugars, (organic & inorganic) and the preservation of the maximum sucrose and reducing sugars possible in the clarified juice. The greatest part of sugar cane consists of soluble inorganic compounds or ashes. A certain amount of fibre, mainly cellulose, also remains in sugar cane juice after crushing, which passes through the hush-hush screen in the form of bagasse. The raw cane juice is generally limed to PH 8 in order to obtain clarified juice of about PH 6.8-7.2 clarified juice is concentrated to a syrupy consistency before it is sent to the vacuum pans to be crystallized into raw sugar. The concentrate is made in several evaporators connected in series called a multiple effect. The juice travels from one vessel to another because of the gradual increase of vacuum. The vapours obtained in each body of the multiple effects serve to heat the calandria tubes and to evaporate additional water in the following vessel. And after being evaporated in a multiple effect evaporator to be a syrupy consistency, clarified juice must be evaporated further for the sugar to crystallize. This is accomplished in a vacuum to form a heavy mixture of crystals and mother liquor, called massecuite. The raw sugar massecuite is then crystallized by cooling. On this process residual syrup incapable of crystallizing called

6000

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Academic

Industry Visit Report AY:2021-22

black strap molasses is separated. Finally, Batch & continuous centrifugal are used to separate the liquid and hard phases of raw sugar.

3. Waste Product of the Sugar Industry

The sugar production industry generates solid wastes (from the washing of the beets and the precipitates of calcium carbonate) and liquid wastes (from the washing and evaporation steps). The main side stream is sugar beet pulp (SBP), which accounts for 3%–5% (w/w) of sugar beet.

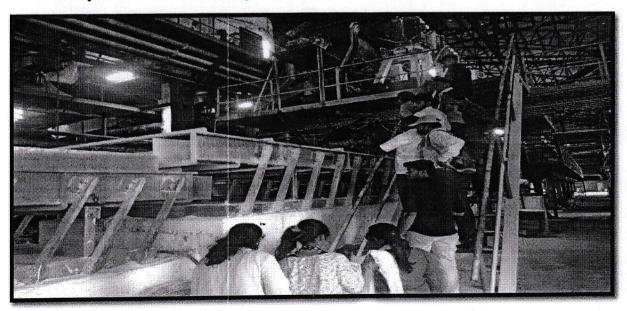
4. By-Products of Sugar Factory

A sugar factory produces not only sugar, but huge amounts of sugarcane waste by-products every year. From the harvest to the final processing, there are 4 main sugarcane waste by-products produced which are: sugarcane bagasse, dry leaves, sugarcane press mud and sugarcane molasses.

5. Conclusions

Sugar industries are the oldest food processing industry and interlinked with environmental aspects. Environmental impact assessment study gives the clear vision between sugar industries, socio-economic and environmental consequences. Hence Our students are exposure to layout of sugar plant, sugar cane crushing mechanism and importance of by products to generate electricity from cogeneration power plant.

6. Industry Visit Photo Gallery



Site Engineer is delivering about crushing mechanism of sugar cane into sugar during industry visit held on 14th February 2022



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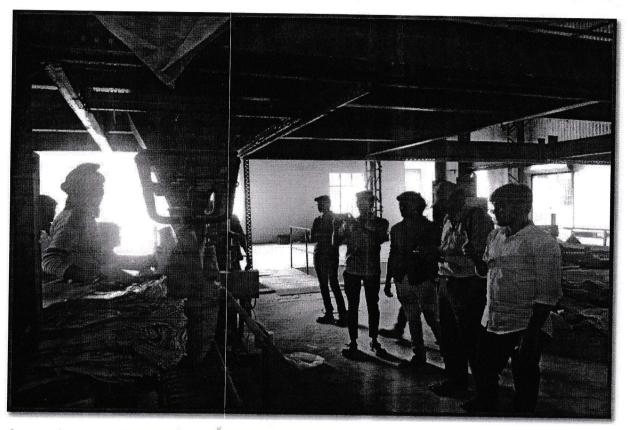
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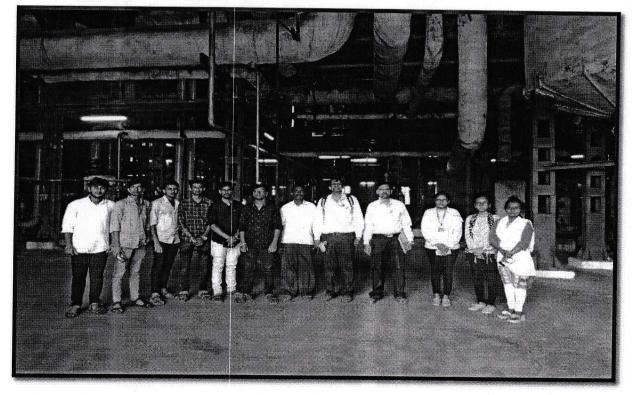
Academic

Industry Visit Report

AY:2021-22



Our students are observing the sugar production and its process during the industry visit held on 14th February 2022



Staff and students attended an industry visit at Sangam Sugar Factory, Hidkal held on 14th February 2022.



S J P N Trust's Hirasugar Institute of Technology, Nidasoshi

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Mech. Engg. Dept
Activities
Feedback
2021-22 (0)

FEEDBACK

Title of	Title of the Activity: Industrial Visit to "Sangam Sugar Factory					
Hidkal"						
Gap	Mapped POs	POs Weightage	Mapped PSOs	PSOs Weightage		
No.: 14	1,2,3,4,6,7,8,10, 11 & 12	3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,	1,2 &3	3,3 &3		
Date/Du	ration: 14-02-2022	2	Place: Hidkal			

Note: Solicit your response in numeric (10 points:Excellent-0 point: Not Good)

S.No.	7 Parameter	Numeric Response (0-10)
1	Concept realization and skills observed during industry visit.	110
2	Inspired to build and lead the better career after the graduation.	10
3	Rate the industry in the professional learning prospective.	10
4	Your development/+ve change during the industry visit.	10
5	Overall motivation and inspiration received during the industry visit.	10
•	Total points	50

Write your comments on activity/event organization (All Arrangements such as Hospitality, Logistics, and Hall etc.):

Signature of the Participant

Nidasoshi, Taq: Hukkeri, Dist: Belgaum, Karnataka - 591 236 Phone:+91-8333-278887, Fax:278886, Web:www.hsit.ac.inMail:principal@hsit.ac.in



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Activities
Feedback
2021-22 (pd.)

FEEDBACK

Title of the Activity:		Industrial Visit to "Sangam Sugar Factory,				
Hidkal"						
Gap	Mapped POs	POs Weightage	Mapped PSOs	PSOs Weightage		
No.:14	1,2,3,4,6,7,8,10,1 1 & 12	3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,3,	1,2 &3	3,3 &3		
Date/Du	uration: 14-02-2022		Venue: Hidkal			

Note: Solicit your response in numeric (10 points:Excellent-0 point: Not Good)

S.No.	Parameter	Numeric Response (0-10)
1	Concept realization and skills observed during industry visit.	10
2	Inspired to build and lead the better career after the graduation.	10
3	Rate the industry in the professional learning prospective.	10
4	Your development/+ve change during the industry visit.	9
5	Overall motivation and inspiration received during the industry visit.	10
	Total points	49

Write your comments on activity/event organization (All Arrangements such as Hospitality, Logistics, and Hall etc.):

Signature of the Participant

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Hirasugar Institute of Technology, Nidasoshi

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Mech. B	ngg. Dept.
Ac	tivities
Impact Anal	ysis on Feedback
AY:	2021-22

Impact Analysis and PO & PSO Attainment

Activity Name:	Industry Visit at Sangam Sugar Factory, Hidkal	No. of Respondents (N):	10
Grand Total Points are given by all respondents (T):	498	Impact Coefficient (IC=0-1):	Here, $IC=T/(N*50) = 498/(10*50) = 0.996$

Mapped PO/s	Weightage Assigned (1/2/3)	PO Attained/Activity Contribution to the respective PO (IC*Weightage Assigned)	Mapped PSO/s	Weightage Assigned (1/2/3)	PO Attained/Activity Contribution to the respective PSO (IC*Weightage Assigned)
PO1	3	2.988	PSO1	3	2.988
PO2	3	2.988	PSO2	3	2.988
PO3	ŧ 3	2.988	PSO3	3	2.988
PO4	3	2.988			
PO5	3	2.988			
PO6	3	2.988			
PO7	3	2.988			, "
PO8	3	2.988			the state of the s
PO9	3	2.988			
PO10	3	2.988			
PO11	3	2.988			
PO12	3	2.988			

END (I) one

SJP N Trust's

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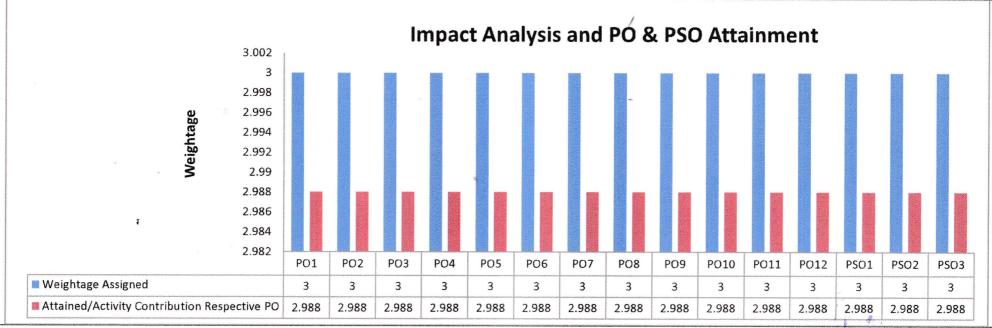
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Mech. Engg. Dept.

Activities

Impact Analysis on Feedback

AY:2021-22



Justification:

1. Justification for Mapping of POs & PSOs

Mapped POs/ PSOs	Weightage	Justification			
PO1	3	This activity substantially addresses about design, manufacture, and evaluate mechanical devices, such as			
101		industrial machinery, heating, and cooling systems, transportation systems, robotics, and tools.			
PO2		This activity substantially main problems faced by the farmers regarding sugarcane production were; lack			
	3	of irrigation water, non-availability of improved varieties of sugarcane, land preparation, high cost of			
		inputs, diseases and insect pests, weeds, and marketing problems.			
PO3		This activity substantially enlightens Different boilers might have different designs, but three main parts			
	3	remain the same throughout various designs: The combustion chamber, the heat exchanger, and the			
		burner give better performance improvement of a sugar factory.			
PO4	3	This activity substantially about research areas includes developing the best sugarcane culture, sugar			

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Activities

Impact Analysis on Feedback

AY:2021-22

L			
			technology research, distillery research, and consultancy to farmers and sugar factories on various topics
_			related to sugarcane growing and processing.
PO5	3	This activity substantially to the development of appropriate software for sugar factories to yield higher	
		output in terms of crushing capacity and production of sugar.	
			This activity addresses briefly the sugar industry's development as a backbone of the economic
	PO6	3	development of the nation. In India, the Sugar industry is the second largest agro-based industry and it
			contributes significantly to the socio-economic development of the nation.
			This activity addresses briefly industrialization giving us more goods that can be bought at affordable
	PO7	3	prices. When an economy industrializes, things are made more rapidly and in higher quantity. This means
			prices can go down and a lot of other goods can be made.
r			This activity addresses buyers committed to Fair Trade paying farmers a fair price that allows them to
	PO8	3	care for their families as well as invest in organic and sustainable agriculture training and certification.
-	1		This activity addresses operating machines and performs routine tasks to extract juice from sugar cane to
l	PO9	3	
L			make granular sugar and molasses.
			This activity enlightens the development of promising sugarcane varieties through biotechnology, water-
	PO10	3	conserving irrigation systems, eco-friendly methods of crop production and crop protection, co-
			generation, pollution abatement, and development of appropriate software for sugar factory and by-
			product units.
			This activity provides wastes generated from the sugar industry are press mud, bagasse, bagasse fly ash,
	PO11	3 *	sugar cane trash, sugar beet mud, sugar beet pulp, molasses, etc. These wastes when mixed with other
1011	,	organic substrates become ideal mixtures for the growth of earthworms.	
	PO12	3	This activity enlightens a significant increase in the generation capacity of electricity in sugar factories,
	FO12		advanced cogeneration systems are used.
	DCO1	2	This activity provides exposure to many of the key skills that mechanical engineers learn and develop a
	PSO1	3	wide range of applications for sugar factories.
r		SO2 3	This activity addresses knowledge of design procedures and analysis for a burner, combustion chamber,
	PSO2		heat exchanger, exhaust stack, and controls.
			This activity enlightens about the major challenges of the sugar industry in India are the sugar industry is
	PSO3	3	seasonal, the methods of production are old and inefficient, transport delays in reaching came factories
1505			and There is a need to maximize the use of baggage.
L		<u> </u>	und There to a need to maximize the about ouggage.

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Activities

Impact Analysis on Feedback

AY:2021-22

2.	The activity mapped with PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, and PO11 & PO12 was found satisfactory with an attainment level	1
	of 2.988 each against the Mapped values during the impact analysis.	

3. The activity mapped with PSO1, PSO2 & PSO3 was found satisfactory with an attainment level of 2.988 each against the Mapped value during the impact analysis.

Conclusion: The activity is organized to fulfill the program outcomes engineering knowledge, problem analysis, design/development solution, conduct investigations of complex problems, modern tool usage, engineer and society, environment and sustainability, ethics, individual & teamwork, communication, project management& finance and lifelong learning and PSO1, PSO2 & PSO3 has mitigated the gap identified satisfactorily to some extent.

Future Suggestions: Conduction of such activities creates interest in students to an adaptation of higher production of sugar cane according to Indian climatic conditions and effective processing in existing sugar factories.

Mr. VivekanandKambi AIMSS Secretary

Prof.M.M.Shivashimpi&Prof.D.N.Inamdar AIMSS-Coordinator/s

Dr.S.N.Topannavar

Mechanical Engg.