

**GOVT. DIGVIJAY AUTONOMOUS P.G. COLLEGE,
RAJNANDGAON**



STUDENT-CENTRIC ACTIVITIES

2022-23

DEPARTMENT OF CHEMISTRY

REPORT ON INDUSTRIAL VISIT ON 02/04/2023



PREPARED BY
M.Sc. CHEMISTRY PREVIOUS

2022-23

SUBMITTED TO
HEAD OF THE DEPARTMENT
DEPARTMENT OF CHEMISTRY
GOVT. DIGVIJAY AUTO. P.G. COLLEGE RAJNANDGAON
(C.G.)

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1. Aim of industrial visit

Industrial visit is a considered as a factual method of teaching. One can practically know things through conversation with the person behind it working method it gives exposure from academic point of view.

The main objective of the industrial visit is to get an idea about the practical working environment. Industrial visit is a good opportunity to get complete awareness about industrial practice. There is a certain amount of information gained us opposed to the theoretical knowledge taught in college classes. For companies or industries during the process of travel related to their area, they are informed about environmental management.



2. Industry profile

Name of Industry –

Bhoramdeo Co-operative Sugar Production Factory Ltd. Kawardha
Dist- Kabirdham(C.G.)



An industrial visit was successfully organized by our department of chemistry on **02/04/2023** to understand how the production activity, management process and technology works and also to acquire knowledge and experience.

For industrial visit we visited to Bhoramdev Sahkari Shakkar Kharkhana which located at Dist- Kabirdham.

Bhoramdeo Sahakari Shakkar Utpadak Karkhana, Kawardha, Dist- Kabirdham Chhattisgarh has decided to establish Ethanol plant of approximate capacity of 80 KLPD spread over 20-acre land parcel on PPP mode

close to current sugar factory and supervision of construction, operation and maintenance of the Ethanol plant developed through PPP mode is proposed to be undertaken through an Independent Expert/Independent Consultant (a qualified firm). Hence to perform the mentioned role during the Construction period (18 months) and Operation period (18 months) of the Ethanol Plant, the Authority would like to appoint an Experienced Consulting Engineering Firm as an Independent Expert/Consultant (the "Independent Expert" or "Independent Consultant") to perform the role as ascribed in the Agreement with the Concessionaires developing the Project.



3. The Energy Aspects

▪ Mill House

Mill house is the cane crushing unit which consists of cane carrier, cane cutter having cutting knives, milling tandem, bagasse carrier and conveyor.



Cane feeding to the cane carrier is done by unloaders and feeder table. As the cane carrier moves, the cane kicker evens out cane load in the cane carrier and then two sets of cane knives cut the cane into small pieces. This process of cane cutting is called 'cane preparation. These cane pieces then, pass through different mills and the juice is extracted. The mills are driven by D.C.motors. The residue which comes out of the mill after extraction of juice is called bagasse.

▪ **Boiler House**

Boiler generates steam by burning the bagasse. The steam is used in powerhouse, boiling house, curing house. The steam required by the Sulphitation process varies from 42 – 45 % on cane crushed per hour.



▪ **Power House**

The high pressure steam generated by the boiler is utilized for production of power by the turbo-alternators. The power produced is used for captive needs and the surplus power is exported to the government grid. The low pressure steam that comes out from the turbo alternator is utilized for boiling the extracted juice. pressure steam that comes out from the turbo alternator is utilized for boiling the extracted juice.



▪ **Clarification & Boiling House**

The juice extracted by the mills is measured by juice flow system. The measured juice is heated in juice heater in two stages. First the juice is heated by the vapours from

fourth and third bodies of evaporator in different heaters. This heating is called primary heating. The heated juice is treated with milk of lime and sulphur-di-oxide to coagulate maximum impurities and sent for secondary heating. The secondary heating is done with vapours from second body of evaporator and vapours from the first body or exhaust steam. The treated juice is passed to clarifier, where in clear juice is removed from the top and settled mud at the bottom is separated. To extract sugar from the mud, it is taken to vacuum filter in which juice and filter cake are separated. Juice is taken back to process and the mud is disposed as solid waste. Clear juice from clarifier is taken to evaporator for evaporating its water content. First body is heated by exhaust steam, and other bodies by the vapours of the previous body. The total water evaporated in the evaporator is 75-80 % percent. The juice after evaporation is called as syrup. This syrup is normally of 60 % solids of its total weight. The syrup is then sulphited in syrup Sulphitation tower.

▪ **Boiling & Curing House**

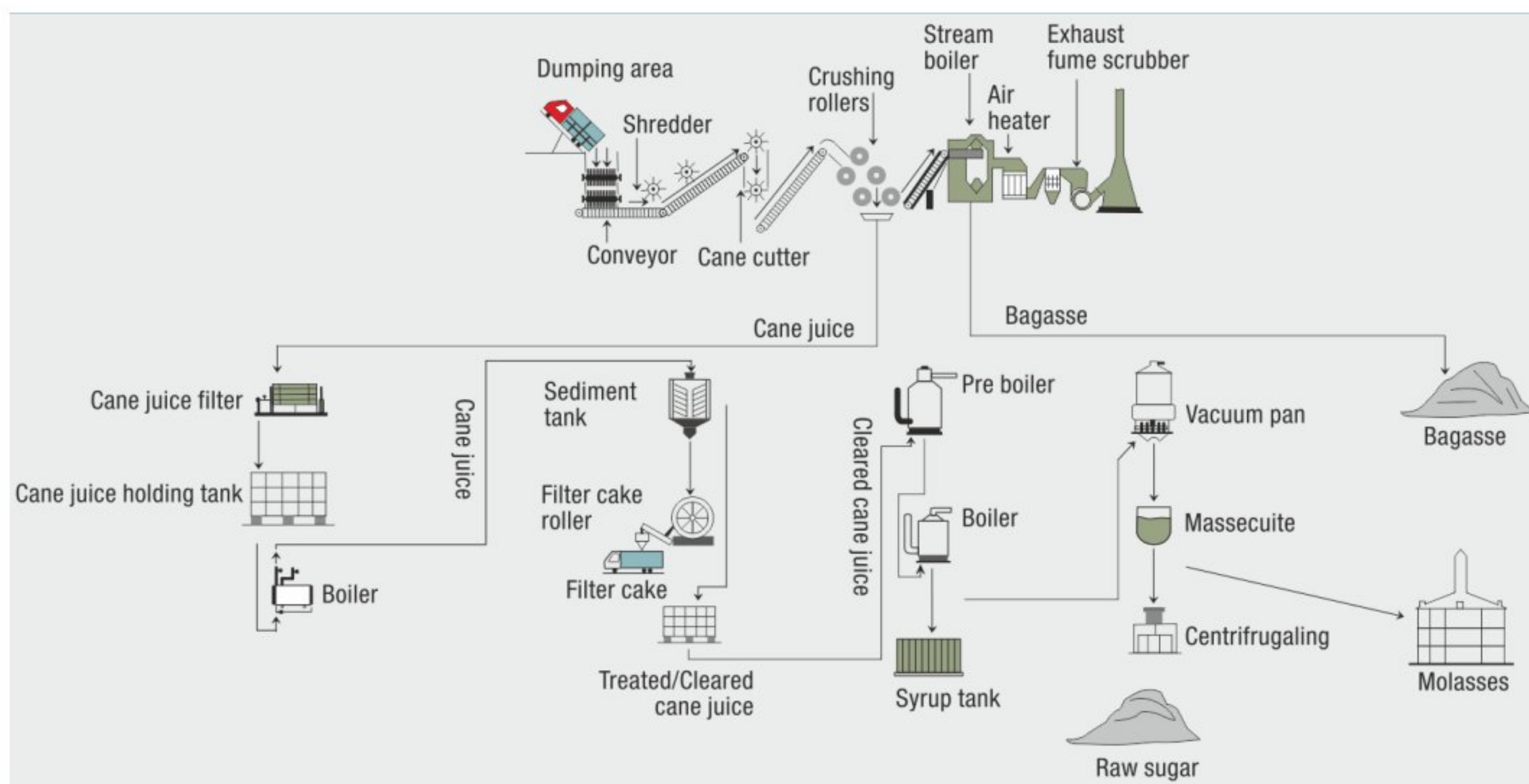
Sulphited syrup is taken to pan floor for making sugar crystal. Three massecuites boiling systems is normally adopted, in which, A, B and C Massecuites are boiled. A-massecuites is formed by boiling syrup, sugar melt , 'A'

light molasses and on 'B'-single cured sugar as seed. This A-Massecuite is boiled till it attains the required size of sugar crystal and it is dropped into crystallizers and cooled. After exhaustion of sugar in solution, the 'A' massecuite is passed on to the centrifugals for separating sugar crystals from the massecuite. The separated 'A' sugar is bagged after drying. 'A'-Light and 'A'-Heavy molasses are pumped to pan floor and are used for making 'A'- and 'B'-Massecuite respectively.

'B'-Massecuite boiled in 'B' pans is dropped into B-Crystallizers and then it is cured in 'B'-Centrifugal machines. 'B'-heavy molasses and 'B'-single cured sugar are obtained separately. 'B'-single cured sugar is used as seed for A massecuite. 'B'-heavy molasses is used for making 'C'-Massecuite in C-pans. 'C'-Massecuite is dropped into 'C'-Crystallizers where it is cooled. 'C'-Massecuite is then taken to 'C'-fore worker centrifugal machines for curing. Final molasses and 'C'-single cured sugar are obtained. 'C' Single cured sugar is again cured in another centrifugal machine in which 'C'-double cured sugar and 'C'-light molasses are obtained. 'C'-light molasses are taken to pan floor and is used in making 'C'-Massecuite. 'C'-double cured sugar is melted and is used in making 'A' Massecuite.

Sugar discharged from 'A' Machine is dropped on to grass hopper conveyors. By passing hot air in hoppers the sugar is dried and taken to grader in which powder and rori's are separated. The required grade sugar is bagged.

4.PROCESS CHART



Manufacturing Process

❖ Extraction of Juice

The sugarcane is passed through preparatory devices like knives for cutting the stalks into fine chips

before being subjected to crushing in a milling tandem comprising 4 to 6 roller mills. In the best milling practice, more than 95% of the sugar of cane is extracted into the juice.

❖ Clarification

The treated juice on boiling fed to continuous clarifier from which the clear juice is decanted while the settled impurities known as mud is sent to rotary drum vacuum filter for removal of unwanted stuff called filter cake. It is discarded or returned to the field as fertilizer.

❖ Evaporation

The syrup will again have treated with sulphur dioxide before being send to the pan station for crystallization of sugar. Crystallization takes place in single-effect vacuum pans, where the syrup is evaporating until saturated with sugar. At this point “seed grain” is added to serve as a nucleus for the sugar crystals, and more syrup is add as water evaporates.

❖ Centrifugation

The massecuite from crystallizer is drawn into revolving machines called centrifuges. The perforated lining retains the sugar crystals, which may be washed with water, if desired. The mother liquor “molasses” passes through the lining because of the centrifugal force exerted and after the sugar is “purged” it is cut down leaving the centrifuge ready for another charge of massecuite.

❖ Gradation & Packing

The final product in the form of sugar crystal is dropped through pan section and this sugar is graded and picked in 50 kg bags. The grade of the sugar depends on the size of the crystal viz. Small (S) and Medium.

5. Major product in industry

❖ Sugar

The sugar which is a carbohydrate is obtained from sugar cane and is known as cane sugar. The sweet tasting soluble carbohydrates many of which are used in food. Simple sugars also called monosaccharide's include glucose fructose and galactose compound sugar also called disaccharide are molecule made of two monosaccharide joined by a glycosidic bond sugar are an important source of energy with glucose being the most important for the body. The brain requires around 130 grams of glucose per day to keep functioning sugar is made in the leaves of the sugarcane plant through photosynthesis and stored as a sweet juice in sugar cane stalks at the factory cane juice is extracted purified filtered and crystallized into golden this is called brown sugar.



❖ **Bagasses**

Bagasse is the residue obtained from crushing cane in the mills bagasse. Bagasse is burned as fuel in the sugarcane mill or used as a source of cellulose from manufacturing animal feeds paper is produced from bagasse in several Latin American countries in the Middle East and in sugar producing countries that are deficient in forest resources.

❖ **Molasses**

Molasses is a dark brown viscous liquid obtained as by product in processing cane sugar it contains the only 45% uncrystallized fermentable sugar and some sucrose.



❖ **Rectified spirit**

It is manufactured by fermentation and distillation of molasses rectified spirit also known as neutral spirits rectified alcohol or ethyl alcohol of agricultural origin is highly



concentrated ethanol that has been purified by means of repeated distillation in a process called rectification rectified spirit is a highly concentrated ethanol solution.

❖ **Absolute alcohol**

Absolute alcohol (ethanol)

It is used as fuel in automobile and also in pharmaceutical industries.

6. Conclusion

We are thankful for all our faculties for organizing such an Informative event for us in crucial for development of our practical skills regarding tool & die making & other activities. The visit was aimed to enhance the knowledge of the student.

We understand the operation that is used in sugar industry, at this industry we able to understand the different process implemented in industry eg. Cutting, shredding, screening & centrifuging etc. we experienced operation which are being taught in the class room e.g. Evaporation, crystallization the main aim of visit was full filled.

We hope to get more chances further to have such an informative & wonderful.

Experiences of visiting different industries.

Thank
You!



VISIT ON MSME

Ministry Micro Small and Medium Enterprises Technology Center Durg (C.G.)

Date of visit-15/04/2023

Duration-1 Day

Submitted By

M.Sc. Chemistry(Prev.)

Sumitted Too

Department of Chemistry



Synopsis

- *Aim of MSME workshop visit*
- *Introduction*
- *Courses facilities*
- *Details of our visit*
- *Workshop*
- *Production*
- *Summery*
- *Conclusion*

Aim of msme workshop visit

This visit is considered as one of the tactical methods of teaching. The main benefit is we can know things practically through interaction, working methods. It gives exposure from academic point of view. This visit provides us information about practical working environment.

Introduction

This factory registered in 1963.

The name of this factory is ministry micro small and medium enterprises govt. of india society.

This factory is based on the mechanical systems mostly work is done through coding or through automatic machines the size, volume, design of the equipment is made through these machines.

Msme used to have 18 centers earlier, in which 10 centers are generally based on engineering and 8 are based on production technology, now it has increased to 33 centers which are spread all over the country.

Courses facilities

Approved by AICTE new delhi, MSME technology

Center durg affiliated to CSVTU bhilai is chhattisgarh's first state-of-the-art technology Center by ministry of MSME government of india and invites application for the following diploma courses approved by AICTE.

Minimum eligibility-10th pass

Apart from this, there are other courses like-Design and Manufacturing, Skill, Technical and Business Advisory etc.

<i>Course</i>	<i>Duration</i>	<i>Intake Capacity</i>
<i>Diploma in tool and die Making(DTDM)</i>	<i>4 Years (8 semester)</i>	<i>60</i>
<i>Diploma in mechatronics (DIM)</i>	<i>3 Years (6 semester)</i>	<i>60</i>

Details of our visit

Here we visited many labs, out of which some labs are written below.

Metrology lab

Applied, Technical or Industrial Metrology. The importance of measurement and maintenance quality control and calibration of instruments installs.



Basic Automation lab

It replaces human operators in the preparation and transport of specimens with robotic devices.

Laboratory automatic consolidates the control of multiple different analytical instruments to a smaller number of operators. This way the automation reduces the costs in laboratory testing.



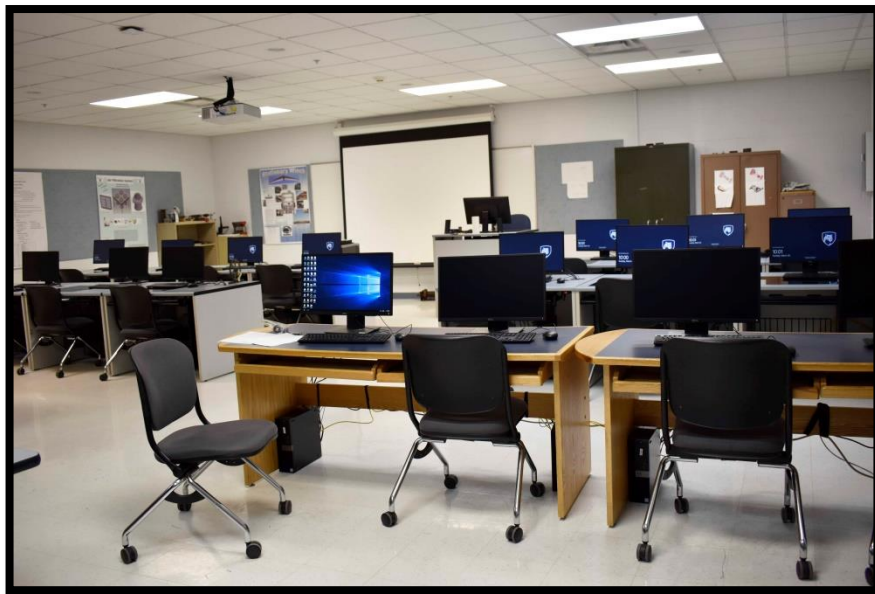
CAD/CAM lab

Computer aided design is the use of computer systems to assist in the creation, modification, analysis or optimization of a design.

CAD software is used to increase the productivity of the designer, improve the quality of design, improve

communication through documentation and to create a database for manufacturing.

CAD CAM software is used for a variety of applications in manufacturing and fabrication; namely, with routers, plasma cutters, waterjet cutters, laser cutters, and knife cutters. They can be used to design and produce art, signs, furniture, tools, machine parts, weapons – you name it.



Numeric lab

In this lab the machine works on air pressure in this the DCU operator works at high speed it is equipped with logic and control hardware.



Hydraulic lab

In this lab the machine works on oil pressure in which the pressure value is 20-25 bar in which the speed of hardware is low.



Coding lab

The shape and design of the good is ensured through coding in this lab.

In this mainly G code and M code are used.

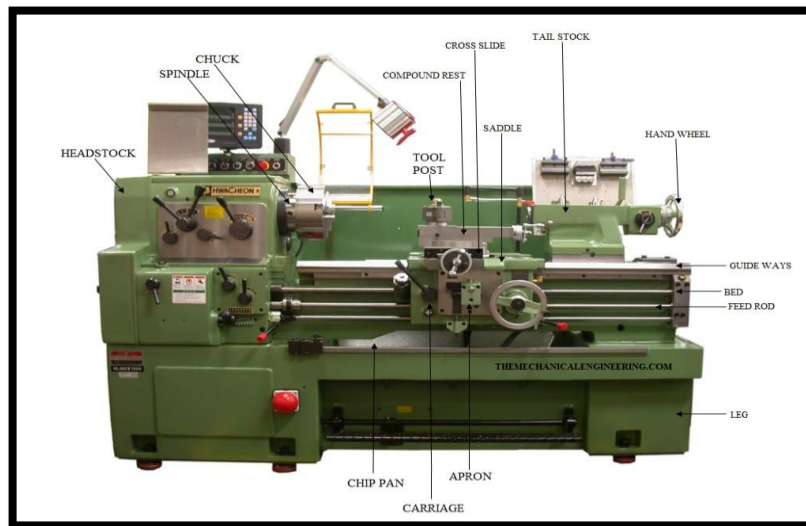
G code- Geometric code.

M code- Miscellaneous function code.



WORKSHOP

Constitutional leth mechanics -A lathe is a machining tool that is used primarily for shaping metal or wood. It works by rotating the workpiece around a stationary cutting tool. The main use is to remove unwanted parts of the material, leaving behind a nicely shaped workpiece.



Work of conventional milling machines -Milling machines are a type of machinery for removing material from a workpiece using rotary cutters. These machines can drill, bore, and cut an array of materials.

A milling machine is used to rough, cut or drill strong, solid materials, usually metal, through the milling process. This means removing chips of material through a high-speed rotation and the movement of the axis. Depending on your milling machine type, the axis can be either the element or the mechanism.



Production



Summary - Micro, Small, Medium Enterprises (MSME's) are entities that are involved in production, manufacturing and processing of goods and commodities. The concept of MSME was first introduced by the government of India through the Micro, Small & Medium Enterprises Development (MSMED) Act, 2006. MSMEs

contribute almost 8% of the country's GDP, around 45% of manufacturing production, and about 40% of exports.

Being a micro, small, or medium enterprise grants access to these venues for international cooperation on trade-related issues with various countries and encourages new commercial relationships. The government also provides subsidies, tax breaks & technical assistance to MSMEs exporting goods and services.

Conclusion- MSMEs are very important in the Indian economy. This industry has proven vital to the country's economic growth, boosting exports and providing numerous job opportunities for the unskilled, recent graduates, and underemployed. It also increased the chances of banks giving additional loans to MSME businesses .

दिनांक 10-11-2022(रसायन शास्त्र विभाग)

दिग्विजय में गैस रिसाव से बचाव पर एक दिवसीय कार्यशाला का आयोजन



शासकीय दिग्विजय महाविद्यालय राजनांदगांव के प्राचार्य डॉ के. एल. टांडेकर के मार्गदर्शन तथा रसायनशास्त्र के विभागाध्यक्ष प्रोफेसर यूनस रज़ा बेग के निर्देशन में एलपीजी गैस सेफ्टी पर आधारित एकदिवसीय कार्यशाला का आयोजन किया गया। एकदिवसीय कार्यशाला में उपस्थित रहे श्री रुपेश राठौर, डिवीजन हेड(एलपीजी इंडेन गैस) श्री निर्मल महेश्वरी भिलाई क्षेत्र प्रबंधक (एलपीजी गैस) तथा कार्यशाला के मुख्य विशेषज्ञ श्री नरेन्द्र जैन जी, होम प्राइड गैस वितरक हैं।

प्राचार्य डॉ के एल टांडेकर द्वारा स्वागत उद्बोधन में इस कार्यशाला के महत्ता के बारे में बताया कि प्रत्येक घरों में उपयोग किये जाने वाले गैस सिलेंडर के कारण होने वाले दुर्घटना से बचने के लिए और लोगो को इससे जागरूक करने कि कितनी आवश्यकता है साथ ही ये भी जानकारी दी गई कि उक्त कार्यशाला के विशेषज्ञ श्री नरेन्द्र जैन के द्वारा इस प्रकार कि कार्यशाला का आयोजन किया जाता रहा है। कार्यशाला के मुख्य अतिथि श्री निर्मल माहेश्वरी द्वारा बताया गया कि उनके कंपनी इंडियन आयल देश कि महारत्न कंपनियों में शामिल सबसे बड़ी कंपनी है जिनका एक उद्देश्य ये भी है कि ज्यादा से ज्यादा नागरिकों को जोड़ना है जिसमे गैस सेफ्टी एक महत्वपूर्ण कदम है।

कार्यशाला की अगली कड़ी मे श्री नरेन्द्र जैन द्वारा गैस के रिसाव होने पर किस प्रकार बचा जा सकता है इसका लाइव डेमोनस्ट्रेशन दिखाया गया जिसे विद्यार्थी द्वारा बड़े ही उत्सुकता के साथ देखा गया जिसमे ये दिखाया गया कि जब गैस सिलिंडर में सीधी आग लग जाए तो गिले कपडे से किस प्रकार बुझाया जा सकता है इसके साथ ही और छोटी छोटी जानकारी भी जैन जी द्वारा बताई गई जो अत्यंत आवश्यक होता है। उक्त कार्यशाला में प्रेस कि तरफ से आकाशवाणी के प्रतिनिधि के रूप में श्री परमानन्द रजक, रसायन शास्त्र विभाग के समस्त प्राध्यापक, एम.एससी.(रसायन शास्त्र) एवं बी.एससी. के विद्यार्थी उपस्थित रहे।



One Week Pre-placement Workshop (from 01/05/23 - 06/05/23)

Day 1

01/05/23

The Department of chemistry and the Employment cell of Govt. Digvijay Autonomous PG college collectively organized a one week pre-placement workshop for the students of Post-graduation of various streams like Chemistry and Physics to mould them perfectly by giving them advice on how to be fully prepared for an interview, G.D and written test of a campus placement. On Day one, i.e. 1st May, 2023, the program was centralised on Resume preparation. Dr. Priyanka Singh, Assistant Prof., Department of Chemistry, briefly explained the students how to prepare and ideal resume by giving them tips and also a task to prepare their own resume. This session where students learnt about resume preparation was followed by an Aptitude test designed by Dr. A.K. Sharma, Assistant professor, Department of Chemistry. The idea of the whole session was to prepare the students for the campus placements so that they can appear confidently.

Following students attended the session and got benefitted by it :-

1. Pradeep kumar Govt. Science College RJN *Pradeep*
2. Sourabh Singh Govt. Science college RJN *Sourabh*
3. Divendra kumar " " " " *Divendra*
4. Dharmendra kumar " " " " *Dharmendra*
5. Sanjay kumar " " " " *Sanjay*
6. Biresendra kumar Govt. Digvijay college RJN *Biresendra*
7. Lav kumar Govt. Science college RJN *Lav kumar*

S.No.	Name of the student	College	Signature
8.	Ashu Kumar	Govt. Science College RJN	
9.	Taran Kumar	"	
10.	Khilash Kumar	Govt. Dignijay College RJN	
11.	Omprakash	"	
12.	Laxm Narayan	Nehru College Dongargarh	
13.	Rushikesh Sahy	"	
14.	Yogesh Kumar	Govt. Science College RJN	
15.	Rajchand	"	
16.	Ajay Kumar	"	
17.	Pradeep Kumar	Govt. Dignijay College RJN	
18.	Rajesh Singh	Baba Bhimrao A. College	
19.	Tran Singh Sahy	Govt. Dignijay College RJN	
20.	Birender Kumar	"	
21.	Rahul Kumar	Baba Bhimrao A. College Dongargarh	
22.	Sandeep Kumar	"	
23.	Pilayachand	Govt DMV RJN	
24.	Rupendra	B.S.B.A. College Dongargarh	
25.	Pipesh Varma	R.G.D.G. Govt. Kgh	
26.	Pinash	"	

One week pre-placement workshop
(from 01/05/23 - 06/05/23)

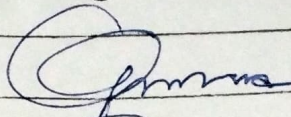
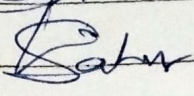
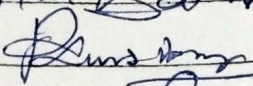
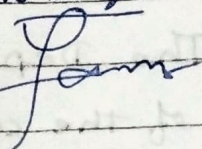
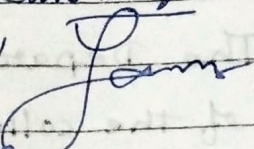
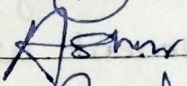
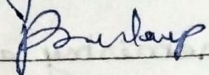
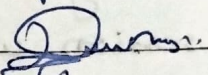
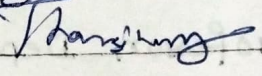
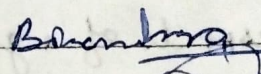
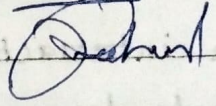
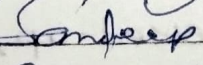
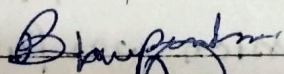
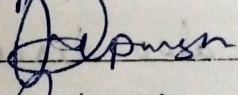
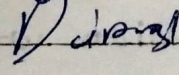
Day-2

02/05/2023

The Department of chemistry and employment cell of the college organized a one week pre-placement workshop for the students of post-graduate chemistry. On the day two i.e. 02/05/23, Prof. Manjari Singh and Dr. Anuradha Goswami discussed with the students the basics of a good communication skill where they made the students learn how would they interact during the interview. This session was followed by an aptitude test covering the subject knowledge, Aptitude and logic reasoning. The program concluded with a beautiful vote of Thanks.

Following students attended the session:-

S.No.	Name of the student	class	signature	& Mob. no.
1.	Pradeep Kumar	Govt. science clg RJN	Pradeep	
2.	Saurabh Sahu	"	Saurabh	
3.	Devendra Kumar	"	Devendra	
4.	Dharmendra Kumar	"	Dharmendra	
5.	Shankar Kumar	"	Shankar	
6.	Bisendra Kumar	Govt DMV RJN	Bisendra	
7.	Lav Kumar	Govt. science clg RJN	Lav Kumar	
8.	Ashu Dewangan	Govt. science clg RJN	Ashu	
9.	Tareen Kumar	"	Tareen	
10.	Khiteswar Kumar	Govt. DMV RJN	Khiteswar	

Sl. No	Name of the student	Class	Signature
11.	Omprakash	Govt. DMV RJN	
12.	Laxminarayan	Mehru college Dongargarh	
13.	Pushkar Sahu	"	
14.	Yogesh Kumar	Govt. Science College RJN	
15.	Dalchand	"	
16.	Ajay Kumar	"	
17.	Pradeep Kumar	Govt. DMV RJN	
18.	Dhalsingh Sinha	B.S.B.A. Dongargarh	
19.	Thansingh Sahu	Govt. DMV RJN	
20.	Bisendra Kumar	"	
21.	Pahul Kumar	B.S.B.A. Dongargarh	
22.	Sandeep Kumar	"	
23.	Bhupendra	"	
24.	Dipesh Verma	R.G.D.G. Kgh	
25.	Dipesh	"	

one week Pre-placement workshop.

(From 01/05/23 - 06/05/23)

Day-3

The Department of Chemistry and The Employment of the college collectively organized a one week pre-placement workshop for the students of post-graduation chemistry and other disciplines. On the Day-3 i.e. 03/05/23 the session was addressed by Prof. Vikas Kande, assistant professor, Department of chemistry where he highlighted the aspects of a good personality in front of the students. He interacted with the students discussing how should they get dressed-up, how should they walk, present themselves. The session was further taken over by Mr. Sharad Tiwari, who also discussed the aspects of a good personality. This session was followed by an aptitude quiz designed by Prof. Vandana Mishra, who gave a vote of thanks to conclude the program.

Following students attended the session and got benefited by it :-

S.No.	Name of the student	Class	Signature
1.	Pradeep Kumar	Govt. Science College RJN	Pradeep
2.	Saurabh Bahu	"	
3.	Dhirendra Kumar	"	Dush
4.	Dharmendra Kumar	"	
5.	Shankar Kumar	"	
6.	Birendra Kumar	Govt. DMV RJN	
7.	Lav Kumar	Govt. Science College RJN	

S.No.	Name of the student	class	signature
8.	Ashu Dewangan	Govt. science cly RJN	
9.	Tarun Kumar	"	
10.	Khilishwar Kumar	Govt. DMV RJN	
11.	Omprakash	"	
12.	Laxminarayan	Mehsu college, Dongargash	
13.	Pushkar Sahu	"	
14.	Yogesh Kumar	Govt. science college RJN	
15.	Dalehand	"	
16.	Ajay Kumar	"	
17.	Pradeep Kumar	Govt. DMV RJN	
18.	Shalsingh Sinha	B.S.B.A. Dongargam	
19.	Thansingh Sahu	Govt. DMV RJN	
20.	Bhrendra Kumar	"	
21.	Rahul Kumar	B.S.B.A. Dongargam	
22.	Sandeep Kumar	"	
23.	Bhupendra	"	
24.	Dipesh Verma	R.G.D.G. Kgh	
25.	Dipesh	"	

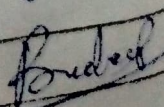
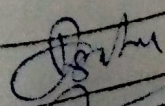
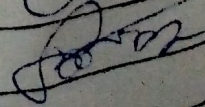
One week pre-placement workshop

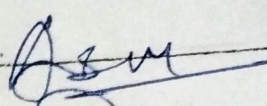
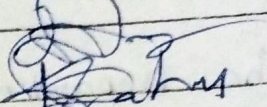
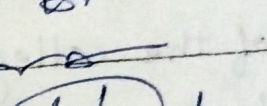
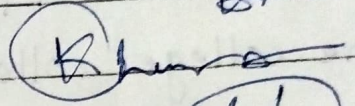
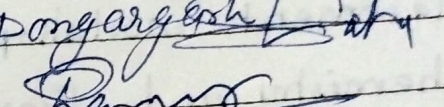
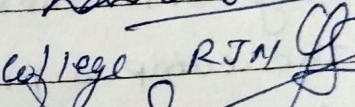
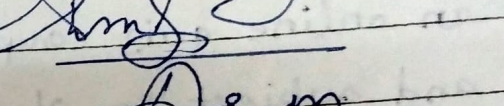
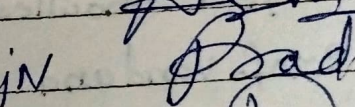
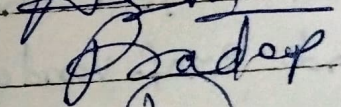
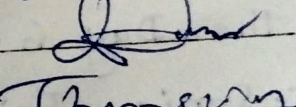
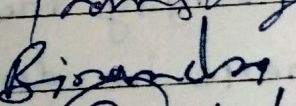

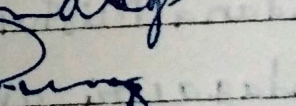
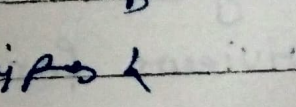
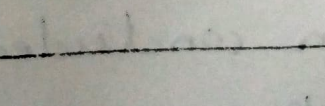
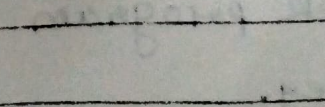
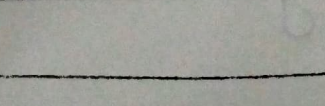
(From 01/05/22 - 06/05/22)

Day-4

The Department of Chemistry and the Employment cell of the college collectively organized a one week pre-placement workshop for the post-graduate students of chemistry and other disciplines in order to mould them for the campus placements. On the Day-4, i.e. 04/05/22, Prof. Younus Raza Beg, HOD, Department of Chemistry took over the session and discussed with the students, how to be effective in a group discussion, how to put your point forward effectively and be confident in it. We let the students participate in a mock GD where students spoke both in for and against on various topics. This session was followed by an aptitude class by Mr. Deepak Paraghaiya, registrar, where he discussed various different topics and made the students learn different tricks to solve problems related to it. The program ended with a beautiful vote of thanks.

Following students attended the session and got benefited from it:-

S.No.	Name of the student	Class	Signature
1.	Pradeep Kumar	Govt. science college RJN	
2.	Saurabh Sahu	"	
2.	Devendra Kumar	"	
4.	Dharmendra Kumar	"	
5.	Shankar Kumar	"	

Sl. No.	Name of the student	class	signature
6.	Lav Kumar	Govt. science college RJN	
7.	Akh Dewangan	"	
8.	Taran Kumar	"	
9.	Khiteshuwar Kumar	Govt. DMV RJN	
10.	Omprakash	"	
11.	Laxminarayan	Nehru college Dongargarh	
12.	Pushkar Sahu	"	
13.	Yogesh Kumar	Govt. science college RJN	
14.	Salehand	"	
15.	Ajay Kumar		
16.	Pradeep Kumar	Govt. DMV RJN	
17.	Dhalsingh Sinha	B.S.B.A. Dongargarh	
18.	Thansingh Sahu	Govt. DMV RJN	
19.	Birendra Kumar	"	
20.	Pahul	B.S.B.A. Dongargarh	
21.	Sandeep	"	
22.	Dipesh	"	
23.	Dipesh	"	

one week pre-placement workshop
(01/05/22 - 06/05/22)

Day 5 and Day 6

The Department of chemistry and the employment cell of the college collectively organized a one week pre-placement workshop for the post-graduate students of chemistry and other disciplines in order to mould them for the campus placements. The day 5 i.e. 05/06/22 was an online quiz competition on aptitude, logic and reasoning and subject knowledge, organized by Prof. Younus Raza Beg and Prof. Vandana Mishra, Department of chemistry.

On the Day 6 i.e. 06/05/22, the session was leaded by Dr. Sanjay Thioke, assistant professor, Department of zoology where he discussed on how to present oneself in an interview. Dr. D.K. Verma, Prof. Younus Raza Beg, Prof. Vandana Mishra, Dr. Ashwani Sharma, Prof. Hemant Nandagalesi and Prof. Vikas Kande organized mock interviews for the students in different groups. The program concluded with a brief summarizing of this one week program and a vote of Thanks by Prof. Younus Raza Beg.

S.No.	Name of the student	clan	signature
1.	Poodeep Kumar	Crovt. science college RJN	Poodeep
2.	Saurabh Sahu	"	Saurabh
3.	Devendra Kumar	"	Devendra
4.	Shankar Kumar	"	Shankar

S. No.	Name of the students	Class	Signature
5.	Lav Kumar	Govt. Science college RJN	Babu
6.	Ashu Dewangan	"	Ashu
7.	Tarun Kumar	"	Tarun
8.	Khilashwas Kumar	Govt. DMV RJN	Babu
9.	Omprakash	"	Omprakash
10.	Laxminarayan	Mehru college Dongargarh	Babu
11.	Pushkar Sahu	"	Pushkar
12.	Yogesh Kumar	Govt. Science college RJN	Yogesh
13.	Dalehand	"	Dalehand
14.	Ajay Kumar	"	Babu
15.	Pradeep Kumar	Govt. DMV RJN	Pradeep
16.	Dhalsingh Sinha	B.S.B.A. Dongargarh	Dhalsingh
17.	Thansingh Sahu	Govt. DMV RJN	Thansingh
18.	Birendra Kumar	"	Birendra
19.	Rahul	B.S.B.A. Dongargarh	Rahul
20.	Sandeep	"	Sandeep
21.	Dipesh Kumar	"	Dipesh
22.	Dinesh	"	Dinesh