

Government Engineering College, Sector 28, Gandhinagar
Metallurgy Department

Report of One-week Webinar Series on “Metallurgy & Material Science 2025-Women’s Week Special”

Under the guidance of Dr. S. P. Dave, (Principal, GEC Gandhinagar) and Dr. I. B. Dave (Head, Metallurgy Department), Metallurgy Engineering Department, GEC Gandhinagar has organized one week webinar series on “Metallurgy & Material Science 2025- Women’s Week Special” in association with alumni association Students Society of Metallurgy Engineers Gandhinagar during 21/04/2025 to 25/04/2025, 11.00 AM onwards. This webinar series was coordinated by Dr. H. H. Thakar and Prof. R. C. Ghanghas. Motive of this event was to give exposure to students and make them familiarize with various advancement and research in metallurgy by giving online expert lectures. More than 30 students of 4th, 6th and 8th semester were present and benefitted by the sessions.

Google meet details:

Event: Metallurgy & Material Science 2025

Date: April 21 – 25, 2025

Google Meet link: <https://meet.google.com/pmx-vkae-mxx>



Metallurgy Department
Government Engineering College
Gandhinagar

One Week Webinar Series
in association with SSMEG
on
Metallurgy and Material Science 2025
Women's Week Special

Session Details:-

Date	Alumni Expert Details	Topic
21/04/2025 3:15 PM onwards	Dr. Vidhi Mistry Lecturer, Metallurgy, L. E. College, Morbi (Diploma)	"Electrochemistry in Action: The Hidden World of Corrosion"
22/04/2025 11:00 AM onwards	Dr. Sonam Patel Lecturer, Metallurgy dept. S & S S Ghandhy Polytechnic, Surat	"Magnesium: The Metal That's Lighter, Stronger, and the Future!"
23/04/2025 3:15 PM onwards	Dr. Minal Dani OSD, GTU Skills, GTU Chandkheda	"Heat treatment of steels"
24/04/2025 11:00 AM onwards	Dr. Riddhi Shukla Early-Stage researcher, Tallinn Uni of Technology Estonia, Europe	"Non-ferrous physical metallurgy for Ti/Cu/Al"
25/04/2025 11:00 AM onwards	Mrs. B. H. Goyal I/C Principal, Dr. S & S S Ghandhy Polytechnic, Surat	"Advanced Metallography and Microstructural Analysis "

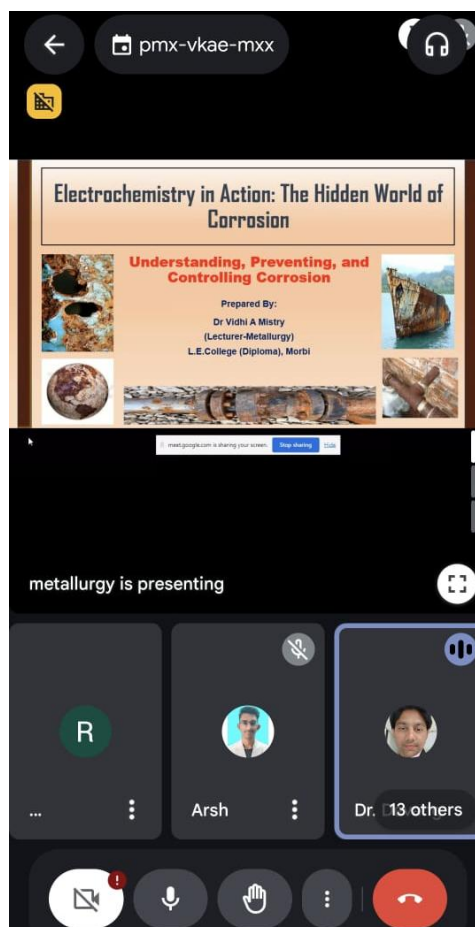
Webinar will be conducted on Google Meet Platform

Patron
Dr. S. P. Dave
Principal
GEC, Gandhinagar

Convener
Dr. I. B. Dave
HOD (Metallurgy)
GEC, Gandhinagar

Coordinators
Dr. H. H. Thakar
Prof. R. C. Ghanghas

for any query please send an e-mail at metallurgyevents@gecg28.ac.in



Sonam Patel (Presenting)

metallurgy events

12 others

Renu Ghanghas

INTRODUCTION

- Magnesium is the lightest structural material of modern times and has a density of 1.74 g/cm^3 , which is much lower compared to industrial metals such as Fe, Cu, Ti, Al, etc.

Figure: Density of different metals (g/cc)

Magnesium was one of the primary metals used in aerospace construction and was extensively employed in German military aircraft beginning in World War I and continuing through World War II. Magnesium sheet, castings, forgings, and extrusions were extensively used in the long-range bomber B-26 and B-53 of the US Air Force.

22/04/2025

11:12 AM | pmx-vkae-mxx

People

Add people

- Jahanvi Dave
- metallurgy events Meeting host
- metallurgy events Meeting host
- Nayan Khante
- Prashant Nihalani
- Prayag Raut
- Raghav Deshpande
- Shibhu Singh

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Arsh Shaikh

metallurgy events

Dr. Daulet Sharma

Prayag Raut

Nayan Khante

Raghav Deshpande

Prashant Nihalani

6 others

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3:21 PM | Metallurgy & Material Science 2025

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IN THE MEETING

Contributors 14

- metallurgy events (You) Meeting host
- Aditya Shende
- Arsh Shaikh
- Dr. Daulet Sharma
- metallurgy events Meeting host
- Nayan Khante
- Prashant Nihalani
- Prayag Raut
- Raghav Deshpande
- Renu Ghanghas

Sonam Patel (Presenting)

Metallurgy:

- A systematic method to examine microstructure of materials (mainly metallic materials).
- But metallurgy does not apply to only metallic materials.
- Such a technology can also be used to examine ceramics, polymers and semiconductors.

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6

4:45 PM | pmx-vkae-mxx

hementakar...

Renu Ghanghas

metallurgy eve...

Prashant Nihal...

3 others

S I Patel