



The Institution of Engineers (India)

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8 GOKHALE ROAD, KOLKATA – 700 020

(Lecture /Paper presentation/Seminar//Workshop/Conference/Technical/Project Demonstration/Model competition/Poster Competition/Group Discussion/Technical Quiz/Aptitude Test/Technical Visit/Film show/Display of Technical Information/Short term course)

Title /Theme: - Online webinar titled “Recent Trends in Metal Extraction and Recycling”

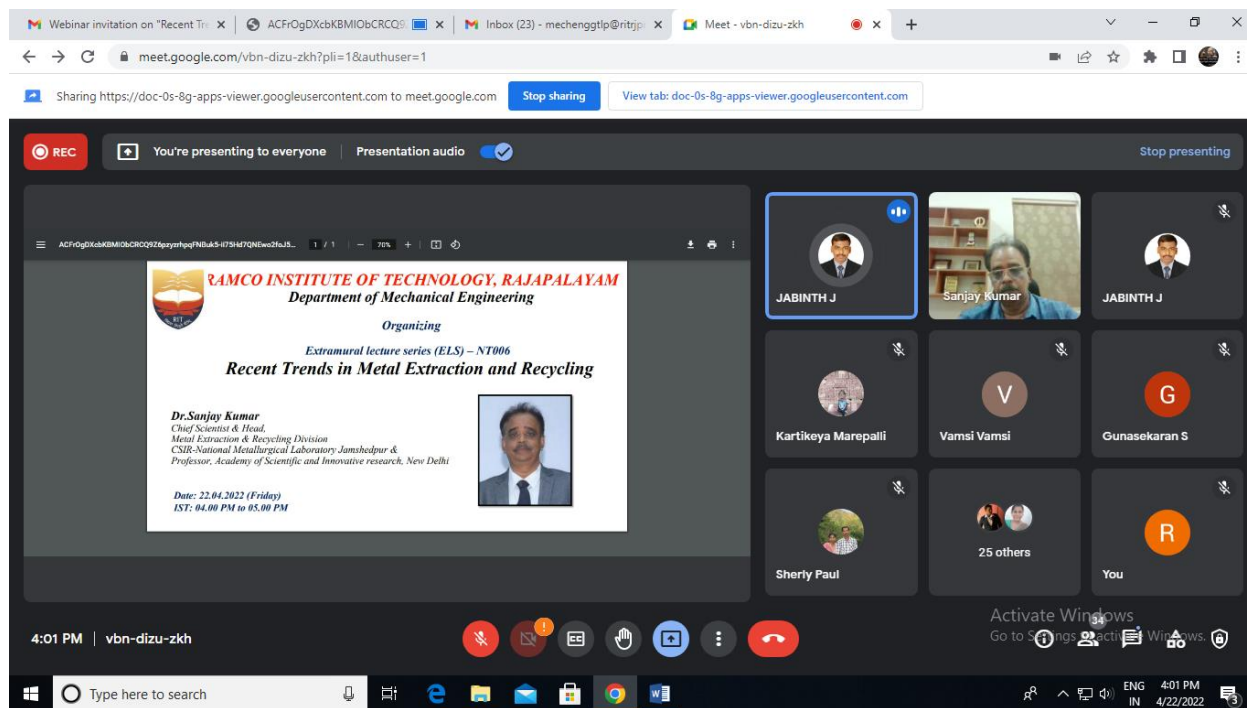
Date: 22.04.2022

Duration: 1 day (04.00 PM to 05.00 PM)

No. of Students and Faculties Participated: 70 participants

Photographs with caption:

(Activity reports not supported by photographs shall not be considered for award)





Webinar invitation on "Recent Tr..." | Inbox (23) - mechenggtp@ritji... | Meet - vbn-dizu-zkh

meet.google.com/vbn-dizu-zkh?pli=1&authuser=1

REC Sanjay Kumar is presenting

SDG Goals

1 NO POVERTY	2 ZERO HUNGER	3 GOOD HEALTH AND WELL-BEING	4 QUALITY EDUCATION	5 GENDER EQUALITY	6 CLEAN WATER AND SANITATION
7 AFFORDABLE AND CLEAN ENERGY	8 DECENT WORK AND ECONOMIC GROWTH	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE	10 REDUCED INEQUALITIES	11 SUSTAINABLE CITIES AND COMMUNITIES	12 RESPONSIBLE CONSUMPTION AND PRODUCTION
13 CLIMATE ACTION	14 LIFE BELOW WATER	15 LIFE ON LAND	16 PEACE, JUSTICE AND STRONG INSTITUTIONS	17 PARTNERSHIPS FOR THE GOALS	THE GLOBAL GOALS For Sustainable Development

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Sanjay Kumar

JABINTH J

JABINTH J

Rachana Bajaj

Sherly Paul

Gunasekaran S

32 others

You

4:07 PM | vbn-dizu-zkh

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REC

Sanjay Kumar

JABINTH J

Rajan Varshney

ALI BHAI

JABINTH J

Kunduru Leela Prasad

Suresh S

62 others

You

5:00 PM | vbn-dizu-zkh

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**Details:**

Chief Guest/ Guest of Honor: Nil
Designation: Nil

Speaker 1: Dr.Sanjay Kumar
Designation/Organization: Chief Scientist & Head,
Metal Extraction & Recycling Division,
CSIR-National Metallurgical Laboratory Jamshedpur & Professor, Academy of Scientific and
Innovative research, New Delhi.

Report

(maximum 250 words)

Extramural Lecture Series on the topic "**Recent Trends in Metal Extraction and Recycling**" was organized by Department of Mechanical Engineering, Ramco Institute of Technology, Rajapalayam on 22.04.2022. The main objective of these ELS is to impart knowledge about cutting edge technologies related to material Extraction and Recycling Process. The Resource Person was Dr.Sanjay Kumar, Chief Scientist & Head, Metal Extraction & Recycling Division, CSIR-National Metallurgical Laboratory Jamshedpur & Professor, Academy of Scientific and Innovative research, New Delhi.

Prof. Sanjay Kumar gave a brief introduction about possible reason for Megatrends in metal Extraction. He then explained how the Sustainable Development Goals (SDG) in climatic conditions, Cost consideration & Green Production. The various Tools & Technologies of industrial revolution were briefed by the resource person, followed by the Artificial Intelligence, IoT, Big Data & 3D Printing and its benefits. Why decarbonisation in steel industry & CO₂ reduction strategy was explained by the professor.

Towards the second half of the session, Professor gave urban ore recycling important. He shared the (Technology, Environmental, Social) challenges in E-waste Management. He finally completed the session by sharing the CSIR-NML initiatives for rare earths extraction strategies.

Dr.J.Jabinth, AP/Mechanical & Faculty Adviser of IE(I) Student chapter Coordinated the program. Mr.L.Karthikeyan, AP/Mech moderated the session. The vote of thanks was delivered by Dr.P.Suresh Kumar, ASP/Mechanical, RIT. The total no. of participants presented in the webinar was 70. The entire sessions were interactive where faculties raised their doubts and a precise explanation was given by the resource person. The overall feedback of the program was excellent. Finally, the participants were distributed with the e-certificates after filling the feedback form.

**Banner / flyer of the programme**



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NBA Accredited UG Programs: CSE, EEE, ECE and MECH
Department of Mechanical Engineering



EXTRAMURAL LECTURE SERIES(ELS) - NT006

RECENT TRENDS IN METAL EXTRACTION AND RECYCLING

Registration Link
<https://tinyurl.com/Lecture-Metal-Extraction>



<http://meet.google.com/vbn-dizu-zkh>



**Date :April 22, 2022
(Friday)**
**IST: 04.00 P.M to
05.00 P.M**

Dr.Sanjay Kumar

Chief Scientist & Head,
Metal Extraction & Recycling Division
CSIR-National Metallurgical Laboratory
Jamshedpur & Professor, Academy of Scientific
and Innovative research, New Delhi

COORDINATOR
Dr.J.JABINTH
ASST. PROF./MECH

CONVENER
Dr.P.SURESHKUMAR
ASSOC. PROF./MECH

PATRON
Dr.S.RAJAKARUNAKARAN
VICE PRINCIPAL & HEAD /MECH

CHIEF PATRON
Dr.L.GANESAN
PRINCIPAL