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Dr. T. THIMMAIAH INSTITUTE OF TECHNOLOGY

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DR. T. THIMMAIAH INSTITUTE OF TECHNOLOGY
OORGAUM, KOLAR GOLD FIELDS-563 120

DEPARTMENT OF MINING ENGINEERING

NEWSLETTER 2021-22

PRESIDENT MESSAGE

For more than three decades, the Dr.T. Thimmaiah Institute of Technology has assisted numerous aspiring young engineers. The school has evolved over the past three decades as a result of a good infrastructure facilities and human resources dedicated to offering professional education with an emphasis on creativity and innovation. Our institute keep a special emphasis on outcome-based education and offers both technical and life coping skills to equip students to become contributing members of society. We support our faculty members in engaging in research activities so they can learn new information, innovate, and gain fresher perspectives that will enhance their teaching.

I would like to congratulate all the students who have received job offers from different business units through our placement and training cell. I want to thank the entire staff for working together to promote students' overall development.

I am happy to publish the newsletter. I would like to use this opportunity to wish all students success in all of their academic endeavors and to make their parents, schools, and the country proud.

— Dr. T. Venkat Vardhan, President, GVET

PRINCIPAL'S MESSAGE

I congratulate the Department of Mining Engineering faculty for their achievements in the current academic year. I also congratulate the editorial team for their constant effort for the outcome of the newsletter.

— Dr. Syed Ariff, Principal, Dr. TTIT

HOD's MESSAGE

The newsletter provides an overview of current activities that took place on our campus. The newsletter includes noteworthy accomplishments by the Department of Mining Engineering, Dr. T. Thimmaiah Institute of Technology, KGF.

I am delighted to publish the achievements of the Department of Mining Engineering.

— Dr. Manas Mukhopadhyay, Head, Mining Engineering, Dr. TTIT

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Institute's Vision and Mission

Vision

To produce technically competent engineers having innovative skills positive attitude, leadership and professional ethics, with a focus on developing sustainable and new technology.

Mission

- Create a conducive environment for teaching, learning and innovation by providing state of the art infrastructure.
- Learn sustainable and new technologies through industry institute collaborations.
- Produce technically competent engineers with ethics, discipline and social consciousness through holistic education.

Department's Vision, Mission and PEOs

Vision

"To excel in education, training and leadership skills to prepare the students for sustainable development of mining industries."

Mission

- To provide a conducive environment in which students think, learn, conduct, innovate and apply.
- To impart quality education for meeting the needs of the mining engineering profession and society, and achieve excellence through creative teaching learning and research.
- To inculcate the spirit of sustainable development and conservation of natural resources through the advancement of technology in the exploration and production of minerals with due regard to health, safety and environment.

PEOs

- Graduates shall have the ability to solve complex problems of mining by the application of sound engineering principles in their professional careers.
- Graduates shall have the spirit of teamwork and inculcate the habit of lifelong learning for achieving professional excellence.
- Graduates shall have in-depth knowledge in the entire value chain of the profession starting from exploration to beneficiation of mineral deposits in a coordinated manner.

DEPARTMENT OF MINING ENGINEERING

Student Centric Method – 2021-22

Guest Lecture

A Guest lecture was delivered to the students of Mining Engineering by Dr. Manas Mukhopadhyay, Professor & Head, Dr TTIT, KGF., on topic "Preparation of feasibility Report and Detailed Project Project of a Mining Project", on 11th July, 2021.

A Guest lecture was delivered to the students of Mining Engineering by Dr. Manas Mukhopadhyay, Professor & Head, Dr TTIT, KGF., on topic "Blast Induced ground Vibration and Blast Round Design in Open Cast Mines", on 12th August, 2021.

A Guest lecture was delivered to the students of Mining Engineering by Prof. Raja S. Associate Professor, Department of Mining Engineering Dr TTIT, KGF, on topic "Strata Control with the use of FLAC3D and ANSYS", on 7th October, 2021.

A Guest lecture was delivered to the students of Mining Engineering by Prof. Raja S. Associate Professor, Department of Mining Engineering Dr TTIT, KGF, on topic "Application of Numerical Modelling in Opencast Mines and Underground Mines", on 23rd September 2021.

A Guest lecture was delivered to the students of Mining Engineering Mr. Karmegan, Manager, HGML, on topic "Production of Ore in Underground Metal Mines", on 15th October, 2021..

A Guest lecture was delivered to the students of Mining Engineering by Dr. Manjunath A. Associate Professor, Department of Mining Engineering Dr TTIT, KGF, on topic "Impact of Unplanned Mine Closure on Mining Communities", on 5th November 2021.

A Guest lecture was delivered to the students of Mining Engineering by Mr. Sabyasachi Nayak, Founder, Mine Magma, on topic "Mine Liasoning", on 26th November 2021.

A Guest lecture was delivered to the students of Mining Engineering by Dr, Sarath Kumar, Assistant Professor, Department of Mineral Processing, VSKU, Sandur, PG Centre, Nandihalli, on topic "Plethora of Mineral Processing", on 6th December 2021.

A Guest lecture was delivered to the students of Mining Engineering by Mr. Vinod Kumar N R, Sr Manager, Head Mining Operations, Rubamin FZC, DR CONGO, on topic "Open Cast Mining in DC Congo", on 22nd December 2021.

A Guest lecture was delivered to the students of Mining Engineering by Mr. Arun Kumar, Deputy Controller of Mines at the Indian Bureau of Mines, on topic “Blasting Experiences in Opencast and Underground Mines”, on 21st January 2022.

A Guest lecture was delivered to the students of Mining Engineering by Mr. Arun Kumar, Deputy Controller of Mines at the Indian Bureau of Mines, on topic “Blasting Experiences in Opencast and Underground Mines”, on 21st January 2022.

A Guest lecture was delivered to the 5th sem students of Mining Engineering by Dr. Ch, Sn. Murthy, Professor (HAG), NITK Surathkal, on topic “Bord and Pillar mining”, on 11 December, 2021. Google Meet link: <https://meet.google.com/syk-tvss-xun>

A Guest lecture was delivered to the 7th sem students of Mining Engineering by Dr. Ch, Sn. Murthy, Professor (HAG), NITK Surathkal, on topic “General safety”, on 4th February, 2022. Google Meet link: <https://meet.google.com/tsd-fwtd-qcn>

A Guest lecture was delivered to the 3rd sem students of Mining Engineering by Dr. Ch, Sn. Murthy, Professor (HAG), NITK Surathkal, on topic “Drilling & Blasting”, on 12th March, 2022. Google Meet link: <https://meet.google.com/cat-rptr-tpx>

A Guest lecture was delivered to the 8th sem students of Mining Engineering by Dr. Ch, Sn. Murthy, Professor (HAG), NITK Surathkal, on topic “CMR 2017”, on 9th May, 2022. Google Meet link: <https://meet.google.com/wgp-pijd-fwg>

A Guest lecture was delivered to the 4th sem students of Mining Engineering by Dr. Ch, Sn. Murthy, Professor (HAG), NITK Surathkal, on topic “Correlation survey”, on 19th July, 2022. Google Meet link: <https://meet.google.com/ito-fzqg-vxy>

A Guest lecture was delivered to the 4th sem students of Mining Engineering by Dr. Ch, Sn. Murthy, Professor (HAG), NITK Surathkal, on topic “Underground Mining Machinery”, 19th August, 2022. Google Meet link: <https://meet.google.com/zsu-vgez-iau>

A Guest lecture was delivered to the students of Mining Engineering by Prof. Mahak Balani, Asst. Professor, Dept. of MBA, Acharya Institute of Technology, Bengaluru, on topic “How to plan for Start-up and legal & ethical steps”, 1st June, 2022.

Project Exhibition

Project Expo was organized on 29 June 2022, by Dr. T. Thimmaiah Research & Innovation Council in association with Institution’s Innovation Council, Dr. T.T.I.T, KGF. Mining Engineering Final year students participated and exhibited their project models virtually.

Participation in Conference/Seminar

Dr. T.T.I.T, KGF had organized 4th International Conference on Recent Trends in Technology, Engineering and Applied Science – ICRTTEAS 2022 on 2nd August 2022 virtually. An opportunity was provided for B. E students to present their project/research papers in this conference.

Industrial Visit

Department of Mining Engineering arranged one day industrial visit to Chigargunta-Bisanatham, BGML mining area at KGF for 6th semester students on 23rd April, 2022. Objective of the visit was to provide closer look into Mine Machineries link winding system, haulage system and surface layout at Chigargunta-Bisanatham, KGF.



Mining Department Students visited Chigargunta-Bisanatham, KGF

