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Dr. T. THIMMAIAH INSTITUTE OF TECHNOLOGY

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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 – 2022-23

Guest Lecture

A Guest lecture was delivered to the 3rd & 7th sem students of Mining Engineering by Mr. Kumaresh A., Deputy Manager, Hutti Gold Mines Limited, on topic "Need of the Geotechnical Engineering in Mining", on 9th November, 2022. Venue: Mechanical Seminar Hall, Dr. T.T.I.T, K.G.F. A total of 51 students benefited from the activity. It included a lecture for 2 hours followed by a question-and-answer session.



An Image of the group of students along with Mr. Kumaresh in the lecture session

A Guest lecture was delivered to the 75 students and faculty members of Mining Engineering by Mr. Kaarmegan N., Deputy General Manager, Coal Mining Headquarters, NTPC, on topic "An Overview – Coal Block Allocation to Mine Operation", on 29th April, 2023. Google Meet link: <https://meet.google.com/wag-nrxv-kzp>

A Guest lecture was delivered to the 3rd sem students of Mining Engineering by Dr. Ch. Sn. Murthy, Professor (HAG), NITK Surathkal, on topic "Percussive Drilling", on 12th January, 2023. Google Meet link: <https://meet.google.com/xyw-khkw-qzy>

A Guest lecture was delivered to the 3rd sem students of Mining Engineering by Dr. Ch. Sn. Murthy, Professor (HAG), NITK Surathkal, on topic "Rotary-Percussive Drilling", on 18th January, 2023. Google Meet link: <https://meet.google.com/xrv-riip-yij>

A Guest lecture was delivered to the 3rd sem students of Mining Engineering by Dr. Ch. Sn. Murthy, Professor (HAG), NITK Surathkal, on topic "Rotary Drilling", on 13th February, 2023. Google Meet link: <https://meet.google.com/xqw-cvhz-mkb>

A Guest lecture was delivered to the 8th sem students of Mining Engineering by Dr. Ch, Sn. Murthy, Professor (HAG), NITK Surathkal, on topic "The Mine Act 1952", on 28th March, 2023. Google Meet link: <https://meet.google.com/xrf-tydv-jfk>

A Guest lecture was delivered to the 8th sem students of Mining Engineering by Dr. Ch, Sn. Murthy, Professor (HAG), NITK Surathkal, on topic "The Mine Rules 1956", on 10th April, 2023. Google Meet link: <https://meet.google.com/jwr-cbqd-xyw>

A Guest lecture was delivered to the 4th sem students of Mining Engineering by Dr. Ch, Sn. Murthy, Professor (HAG), NITK Surathkal, on topic "Mine Surveying - Levelling", on 20th June, 2023. Google Meet link: <https://meet.google.com/jwr-cbqd-xyw>

A Guest lecture was delivered to the 4th sem students of Mining Engineering by Dr. Ch, Sn. Murthy, Professor (HAG), NITK Surathkal, on topic "Mine Surveying - Levelling", on 27th June, 2023. Google Meet link: <https://meet.google.com/jwr-cbqd-xyw>

Workshop

A one-day workshop was hosted by the Department of Mining Engineering on 18.10.2022. As a part of the Memorandum of Understanding, Unitos Aero drone Solutions Private Limited conducted one day workshop on "Applications of Drones in the Mining Sector" for 7th sem students. A total of 53 students benefited from the activity. The workshop included a lecture for 2 Hours and followed by a practical session on flying the drone. Mr Pavel M S, Mr Maris and Mr Aswin have trained the students in flying the drone.



An Image of the group of students along with Mr. Pavel in the lecture session



An Image of the group of students along with Mr. Ashwin in the practical session

Project Exhibition

Project Expo was organized on 20 May, 2023 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.

Participation in Conference/Seminar

Dr. T.T.I.T, KGF had organized 5th International Conference on Recent Trends in Technology, Engineering and Applied Science – ICRTTEAS 2023 on 19th and 20th May, 2023 in hybrid mode. An opportunity was provided for B. E students to present their project/research papers in this conference.

Participation in external Technical Activities

Mining Engineers' Association of India organized "Poster Competition" on 'sustainability & Circular Economy' on the occasion of Indian Mining Day on 1st November 2022. Mining Department students participated in the event. Mr. Lenus Leander, 7th semester obtained 1st prize in the Poster competition.

Mining Engineers' Association of India organized "Poster Competition" on 'sustainability & Circular Economy' on the occasion of Indian Mining Day on 1st November 2022. Mining Department students participated in the event. Mr. Rufus N R, 7th semester obtained 2nd prize in the Poster competition.

Mining Engineers' Association of India organized "Essay Competition" on 'sustainability & Circular Economy' on the occasion of Indian Mining Day on 1st November 2022. Mining Department students participated in the event. Mr. Anshadh A, 7th semester obtained 1st prize in the Essay competition.

Mining Engineers' Association of India organized "Essay Competition" on 'sustainability & Circular Economy' on the occasion of Indian Mining Day on 1st November 2022. Mining Department students participated in the event. Mr. RaviShankar R, 7th semester obtained 3rd prize in the Essay competition.

