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# Dr. T. THIMMAIAH INSTITUTE OF TECHNOLOGY

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

## DEPARTMENT OF MINING ENGINEERING

## NEWSLETTER 2019-20

### 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. K. Ramesh, Head, Mining Engineering, Dr. TTIT

### CHIEF EDITOR

**Dr. K. Ramesh**  
HoD  
Mining Engineering

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Assistant Professor  
Mining Engg.

## 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

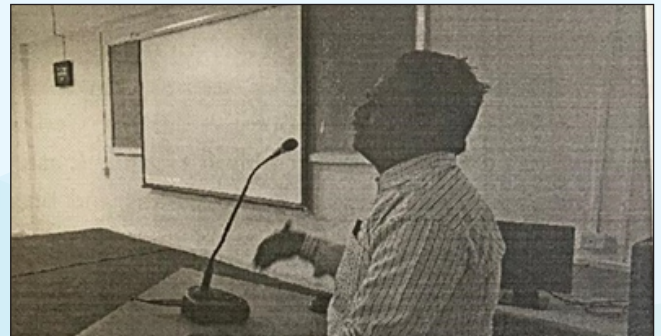
- Graduates shall have the ability to solve complex problems of mining by the application of sound engineering principles in their professional careers.
- Graduates shall have the spirit of teamwork and inculcate the habit of lifelong learning for achieving professional excellence.
- Graduates shall 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 – 2019-20

#### Workshop

One day workshop on "Application of Surveying and Job opportunities in abroad", was organized by Department of Mining Engineering on 7th August, 2019. Mr. K. Sridhar Reddy, Regenesys Business School, South Africa was the resource person for this workshop.



Mr. K. Sridhar Reddy, resource person delivering lecture during workshop.



Department of Mining Engg. Faculty members along with Mr. K. Sridhar Reddy



HoD, Mining and students of Mining engg. Listening to Mr. K. Sridhar Reddy lecture during workshop.

One day workshop on "Drilling & Blasting and Mine Ventilation", was organized by Department of Mining Engineering on 17th July, 2019 Dr. CHSN Murthy, Subject specialist & advisor NITK, Suratkal, Karnataka was the resource person for this workshop.



## Guest Lecture

A Guest lecture was delivered to the 5th sem students of Mining Engineering by Dr. Balasubramanian, Sr. Scientist from NIRM, KGF on topic “Rock Mechanics and Stability of Rocks”, on 5th September, 2019.



Dr. Balasubramanian, Sr. Scientist delivering lecture to 5th sem students

## Research Centre Visit

Department of Mining Engineering arranged two days field visit to “National Institute of Rock Mechanics (NIRM)” KGF on 26th and 27th September, 2019. Final year students along with Prof. John Gladius and Prof. Vikram P visited the Research centre facility at KGF. Students were taken to all the rock mechanics laboratory and equipments were demonstrated by the technicians.



Mining department faculty and students photo session during zNIRM visit

## Industrial Visit

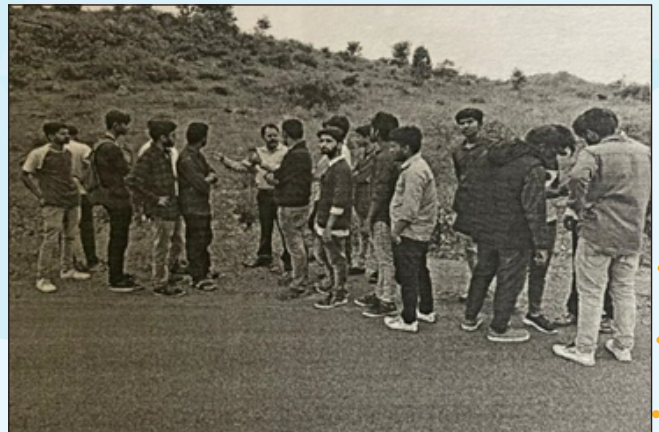
Department of Mining Engineering arranged one day industrial visit to BEML factory at KGF for 5th semester students on 21st September, 2019. Objective of the visit was to provide closer look into Mine Machineries which are manufactured in BEML, KGF



Mining Department Students visited BEML, KGF

## Field Visit

Department of Mining Engineering arranged one day geological field visit near Pedapalli and Volagamadhi hillock KGF. Dr. Ramesh K, Geology Professor had been with students and explained Auriferous Gold bearing Quartz vein in Pedapalli, and conglomerate and major rock disconformities near Volagamadhi hillock, KGF.



Dr. Ramesh, Geology Professor explaining Major rock disconformities near Volagamadhi hillock, KGF.

## Participation in external Technical Activities

- a) Mining Engineering Association of India, Bangalore Chapter organized Elocution competition on the topic “Responsible Mining” on the occasion of Indian Mining Day celebration on 1st November 2019. Mining Engineering students participated in the event. Mr. Akash S Gowda, won 1st prize in the competition.
- b) Mining Engineering Association of India, Bangalore Chapter organized Essay competition on the topic “Mining for Better tomorrow” on the occasion of Indian Mining Day celebration on 1st November 2019. Mining Engineering students participated in the event. Mr. Manoj Seeman and Mr. Sijith, won 2nd and 3rd prize respectively in the competition.



Competition winners along with Mining HoD and Principal