

Visvesvaraya Technological University
Belagavi, Karnataka -590018
2020-2021



“To study the Design of Ventilation in underground Mining”

A Mini Project Report
(18MNP68)

Submitted by

PRADEEP V	1GV18MI024
YASH KUMAR	1GV17MI030
SUDHAKAR S	1GV17MI025
MAHESH C DARGA	1GV16MI041

In practical fulfillment for the award of degree of

Bachelor of Engineering

In

Mining engineering

Under the guidance of

Mr. Raja S

Associates Professors.



Dr. T. THIMMAIAH INSTITUTE OF TECHNOLOGY

Department of Mining Engineering

Oorgaum, Kolar Gold – 563 120




Oorgaum Kolar Gold Fields - 563 120
DEPARTMENT OF MINING ENGINEERING

CERTIFICATE

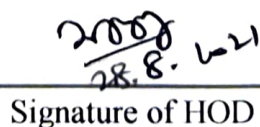
Certified that the **MINI PROJECT WORK** entitled “**To study the Design of Ventilation in underground Mining**” has been carried out by

PRADEEP V	1GV18MI024
YASH KUMAR	1GV17MI030
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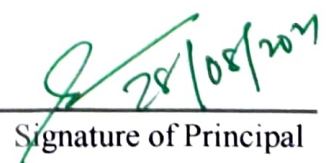
the student of **Dr T Thimmaiah institute of technology** in the fulfillment for the award of degree of Bachelor of Engineering in **Mining Engineering** of the **Visvesvaraya Technological University, Belagavi during the year 2020-2021**. It is certified that all corrections/suggestions indicated for the assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirement in respect of **Mini project (18MNP68)** prescribed for the Bachelor of Engineering degree.


Signature of Guide

Mr. RAJA S


Signature of HOD

Dr. MANAS MUKHOPADHYAY


Signature of Principal

Dr. SYED ARIFF

2020-2021



Submitted by

1GV19MI404

HOD Mining Dept.



Kolar Gold – 563 120



Oorgaum Kolar Gold Fields - 563 120
DEPARTMENT OF MINING ENGINEERING

CERTIFICATE

Certified that the **MINI PROJECT WORK** entitled “**LEAST COST PATH ANALYSIS METHOD FOR HAUL ROAD DESIGN IN OPEN CAST MINING**” has been carried out by

NITHIN M S **1GV18MI021**

ASHFAQ P **1GV18MI003**

SHREYAS KAMMALA **1GV19MI414**

BOYA VINAY **1GV19MI404**

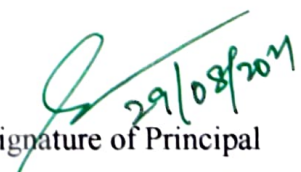
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Signature of Guide

Dr. MANAS MUKHOPADHYAY


Signature of HOD

Dr. MANAS MUKHOPADHYAY


Signature of Principal

Dr. SYED ARIFF

Visvesvaraya Technological University
Belagavi, Karnataka -590018
2020-2021



“Techniques for measuring Insitu stresses”

A Mini Project Report
(18MNMP68)

Submitted by

PURUSHOTHAMAN V	1GV18MI027
ARVIND KUMAR V	1GV19MI401
MICAH JOHN SIMEON J	1GV19MI408
MOHAN	1GV19MI410

In practical fulfillment for the award of degree of

Bachelor of Engineering

In

Mining engineering

Under the guidance of

Mr. Vijayaragavan

Assistant Professors.



Dr. T. THIMMAIAH INSTITUTE OF TECHNOLOGY
Department of Mining Engineering
Oorgaum, Kolar Gold – 563 120



Oorgaum Kolar Gold Fields - 563 120
DEPARTMENT OF MINING ENGINEERING


CERTIFICATE

Certified that the **MINI PROJECT WORK** entitled "**Techniques for measuring Insitu stresses**" has been carried out by


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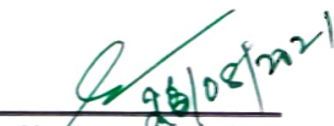
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Signature of Guide

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Signature of HOD

Dr. MANAS MUKHOPADHYAY


Signature of Principal

Dr. SYED ARIFF

**Visvesvaraya Technological University
Belagavi, Karnataka – 590018
2020-2021**



“Study of Evolution of Lighting in Mining”

**A Mini Project Report
(18MNMP68)**

Submitted by

MANOJ RANAVATH J

1GV18MI017

PRABHU P

1GV18MI023

SUDHAKAR K S

1GV18MI033

VIGNESH S

1GV18MI037

***In practical fulfillment for the award of degree of
Bachelor of Engineering***

In

Mining engineering

Under the guidance of

Mr. VIKRAM P

Assistant Professor



**Dr. T. THIMMAIAH INSTITUTE OF TECHNOLOGY
Department of Mining Engineering
Oorgaum, Kolar Gold Field – 563120**



Oorgaum Kolar Gold Field - 563120
DEPARTMENT OF MINING ENGINEERING

CERTIFICATE

Certified that the **MINI PROJECT WORK** entitled “**Study of Evolution of Lighting in Mining**” has been carried out by

MANOJ RANAVATH J
PRABHU P
SUDHAKAR K S
VIGNESH S

1GV18MI017
1GV18MI023
1GV18MI033
1GV18MI037

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Signature of Guide
Mr. VIKRAM P

Signature of HOD
Dr. MANAS MUKHOPADHYAY

Signature of Principal
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PRINCIPAL

Dr. T. Thimmaiah Institute of Technology
Oorgaum, K.G.F. - 563 120.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELGAUM-590018

2020-2021



A Mini Project Report On

“FACTOR AFFECTING THE PERFORMANCE OF SURFACE MINER”

Submitted in the Partial fulfillment of the requirement for the 6th Semester

Project Work-18MNMP68 for the award of Degree of

Bachelor of Engineering in

“Mining Engineering”

Submitted by

AVINASH 1GV18MIOO5

KIRAN NADAGOUDA 1GV18MI013

PUNEETH N J 1GV18MI026

YUVARAJ V 1GV17MI031

Under the guidance of

Dr. VIJAYA RAGHAVAN

Associate Professor, Dept. of Mining

Dr. TTIT, KGF

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(Approved AICTE New Delhi, Affiliated to VTU- Belagavi,
Approved by Govt. of Karnataka and ISO 21001-2018 certified)

Dr.T.THIMMAIAH INSTITUTE OF TECHNOLOGY

(Formerly Golden Valley Institute of Technology)




Oorgaum, Kolar Gold Field-563120

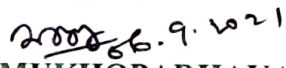
DEPARTMENT OF MINING ENGINEERING

CERTIFICATE

This is to certify that the Mini Project work entitled is **"FACTOR AFFECTING THE PERFORMANCE OF SURFACE MINER"** a bona-fide work carried out by **AVINASH** bearing the register number **1GV18MI005** and **KIRAN NADAGOUDA** bearing the register number **1GV18MI013** and **PUNEETH N J** bearing the register number **1GV18MI026** and **YUVARAJ V** bearing the register number **1GV17MI031** partial fulfillment of the requirement for the completion of 6th semester of Bachelor of Engineering in Mining Engineering of the Visvesvaraya Technological University, Belgaum during the academic year 2020-2021.

The mini-project report has been approved as it satisfies the academic requirements in respects of the Mini Project Work prescribed for the Bachelor of Engineering Degree.


(Dr. VIJAYA RAGHAVAN)
Sign.of the Guide


(Dr. MANAS MUKHOPADHAYA)
Sign.of the HOD

External Viva:

Name of the Examiners

- 1.
- 2.

Signature with date

Visvesvaraya Technological University
Belagavi, Karnataka -590018
2020-2021



**“To study the performance characteristics of Roadheaders
in various rock conditions”**

**A Mini Project Report
(18MNP68)**

Submitted by

ANEES.A	1GV19MI400
SALEEM.A	1GV19MI411
SHOHEB.M	1GV19MI413
SIDDAROODHA.B	1GV19MI415

In practical fulfillment for the award of degree of

Bachelor of Engineering

In
Mining engineering

Under the guidance of

Mr. Vikram P

Assistant Professors.



Dr. T. THIMMAIAH INSTITUTE OF TECHNOLOGY
Department of Mining Engineering
Oorgaum, Kolar Gold – 563 120



Oorgaum Kolar Gold Fields - 563 120
DEPARTMENT OF MINING ENGINEERING

CERTIFICATE

Certified that the **MINI PROJECT WORK** entitled **"To study the performance characteristics of Roadheaders in various rock conditions"** has been carried out by

ANEES.A

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1GV19MI415

the student of **Dr T Thimmaiah institute of technology** in the fulfillment for the award of degree of Bachelor of Engineering in **Mining Engineering** of the **Visvesvaraya Technological University, Belagavi during the year 2020-2021**. It is certified that all corrections/suggestions indicated for the assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirement in respect of **Mini project (18MNP68)** prescribed for the Bachelor of Engineering degree.

Signature of Guide

Mr. VIKRAM

Signature of HOD

Dr. MANAS MUKHOPADHYAY

Signature of Principal

Dr. SYED ARIFF

**Visvesvaraya Technological University
Belagavi, Karnataka - 590018**

2020-2021



“Monitoring of dust in opencast mining”

**A Mini Project Report
(18MNMP68)**

Submitted by

Karthik.P	1GV18MI011
Raghuvaran.M.S	1GV18MI028
Sasikumar.R	1GV18MI031
Thirunavukkarasu.M	1GV18MI035

In practical fulfilment for the award of degree of

Bachelor of Engineering

In

Mining engineering

Under the guidance of

Mr. Paul Prasanna Kumar

Assistant Professors



Dr. T. THIMMAIAH INSTITUTE OF TECHNOLOGY

Department of Mining Engineering Oorgaam,

Kolar Gold – 563 120




Oorgaum Kolar Gold Fields - 563 120
DEPARTMENT OF MINING ENGINEERING

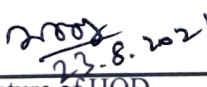
CERTIFICATE

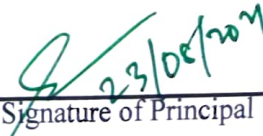
Certified that the **MINI PROJECT WORK** entitled "**MONITORING OF DUST IN OPENCAST MINING**" has been carried out by

Karthik.P	1GV18MI011
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The student of **Dr T Thimmaiah institute of technology** in the fulfillment for the award of degree of Bachelor of Engineering in **Mining Engineering** of the **Visvesvaraya Technological University, Belagavi during the year 2020-2021**. It is certified that all corrections/suggestions indicated for the assessment have been incorporated in the report deposited in the departmental library. The Mini project report has been approved as it satisfies the academic requirement in respect of **Mini project (18MNMP68)** prescribed for the Bachelor of Engineering degree.


23/8/2021
Signature of Guide
Mr. PAUL PRASANNA KUMAR


23.8.2021
Signature of HOD
Dr. MANAS MUKHOPADHYAY


23/08/2021
Signature of Principal
Dr. SYED ARIFF

Visvesvaraya Technological University
Belagavi, Karnataka -590018
2020-2021



“INVESTIGATION OF FACTORS AFFECTING AND
CONSIDERED FOR THE SELECTION OF
UNDERGROUND MINE FAN”

A MINI PROJECT REPORT
(18MNP68)
Submitted by

JASPER.P	1GV19MI407
MITHUN RAHUL.B	1GV19MI409
ASHLEY JOHN PAUL.A	1GV19MI402
HARI KIRAN.M	1GV19MI405

*In practical fulfilment for the award of degree of
Bachelor of Engineering*

In
Mining Engineering

Under the guidance of
Mr. Paul Prasanna Kumar
Associate Professor
And
Dr. Manjunath A
Associate Professor



Dr. T. THIMMAIAH INSTITUTE OF TECHNOLOGY
Department of Mining Engineering
Oorgaum, Kolar Gold Field



Oorgaum Kolar Gold Fields - 563 120
DEPARTMENT OF MINING ENGINEERING

CERTIFICATE

Certified that the **Mini Project Work** entitled "**INVESTIGATION OF FACTORS AFFECTING AND CONSIDERED FOR THE SELECTION OF MINE FAN**" has been carried out by

JASPER.P

1GV19MI407

MITHUN RAHUL.B

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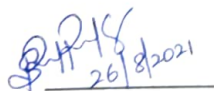
ASHLEY JOHN PAUL.A

1GV19MI402

HARI KIRAN.M

1GV19MI405

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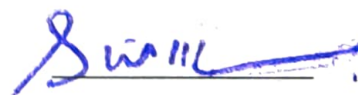

26/8/2021

Signature of Guide
Mr. PAUL PRASANNA KUMAR
Dr. Manjunath . A


26.8.21

Signature of HOD
Dr. MANAS MUKHOPADHYAY


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Signature of Principal
Dr. SYED ARIFF

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELGAUM-590018

2020-2021



A Mini Project Report On

“FACTOR AFFECTING THE PERFORMANCE OF SURFACE MINER”

Submitted in the Partial fulfillment of the requirement for the 6th Semester

Project Work-18MNMP68 for the award of Degree of

Bachelor of Engineering in

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Submitted by

AVINASH 1GV18MIOO5

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Under the guidance of

Dr. VIJAYA RAGHAVAN

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Dr. TTIT, KGF

DR. T. THIMMAIAH INSTITUTE OF TECHNOLOGY

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Oorgaum, Kolar Gold Field-563120

DEPARTMENT OF MINING ENGINEERING

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(Dr. VIJAYA RAGHAVAN)
Sign.of the Guide


(Dr. MANAS MUKHOPADHAYA)
Sign.of the HOD

External Viva:

Name of the Examiners

- 1.
- 2.

Signature with date

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

BELGAUM-590018

2020-2021



A Mini Project Report On

“Effective utilization of waste water generating from Mines”

Submitted in the Partial fulfillment of the requirement for the 6th Semester

Project Work-18MINL67 for the award of Degree of

Bachelor of Engineering in

“Mining Engineering”

Submitted by

ISHAPPA

1GV18MI010

KIRAN KUMAR EMMI S

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MRUTHYUNJAY KUMAR S B

1GV18MI019

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Oorgaum, Kolar Gold Field-563120

DEPARTMENT OF MINING ENGINEERING

CERTIFICATE

This is to certify that the Mini Project work entitled “EFFECTIVE UTILIZATION OF WASTE WATER GENERATING FROM MINES” is a bona-fide work carried out by ISHAPPA bearing the register number 1GV18MI010 and KIRAN KUMAR EMMI S bearing the register number 1GV18MI012 and KUMAR MARUTHI S bearing the register number 1GV18MI014 and MRUTHYUNJAY KUMAR S B bearing the register number 1GV18MI019 partial fulfillment of the requirement for the completion of 6th semester of Bachelor of Engineering in Mining Engineering of the Visvesvaraya Technological University, Belgaum during the academic year 2020-2021.

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Sign. of the Guide
(Dr. MANJUNATH)


Sign. of the H.O.D
(Dr. MANAS MUKHOPADHAYA)

External Viva:

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Signature with date