ARTISANAL MINING INSTITUTE

APPLICATION FOR SHORT COURSE IN MINERAL PROCESSING TECHNOLOGY (SC-MPT)

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1.0: INTRODUCTION

Artisanal Mining Institute is a professional training institution established to provide practical and technical skills in artisanal and small-scale mining, mineral processing, geology, mining technology, environmental management, and entrepreneurship within the mining sector. The Institute aims to promote sustainable mining practices, improve mineral value addition, and empower communities through quality training and capacity building. Located in Kahama District, Shinyanga Region, the Institute serves miners, students, professionals, and entrepreneurs across Tanzania and beyond. The Institute is registered by the National Council for Technical and Vocational Education and Training (NACTVET) with registration number **REG/NACTVET/0942.**

1.1: VISION

To become a Centre of Excellence in the provision of quality training to artisanal and small-scale miners in Tanzania.

1.2: MISSION

To help Artisanal miners derive the greatest benefit for their improved livelihood in communities while minimizing the environmental and social consequences.

2.0 COURSE INFORMATION

2.1 COURSE OBJECTIVE

The Short Course in Mineral Processing Technology (SC-MPT) is designed to equip participants with practical and theoretical knowledge in mineral processing and beneficiation techniques used in the mining industry. The course aims to provide understanding of mineral processing principles and operations; enhance skills in ore handling, crushing, grinding, screening, and concentration methods; introduce learners to gravity separation, flotation, cyanidation, and gold recovery methods; improve knowledge on laboratory sampling and metallurgical testing; promote safe,

efficient, and environmentally responsible mineral processing practices; and build technical capacity for employment and entrepreneurship in the mining sector.

2.2 COURSE PROGRAM INTAKE TIMETABLE

The programme operates on a biannual intake system, admitting students twice each year. The first intake runs from ***October to March***, while the second intake runs from ***April to September*** (table below). This arrangement provides flexible opportunities for prospective learners to enroll and complete the programme throughout the year.

The course shall have **two intakes per year** as follows:

Intake	***Study Period***
First Intake	**October – March**
Second Intake	**April – September**

2.3 TARGET PARTICIPANTS

The short course is designed for a wide range of participants involved or interested in the mining and mineral processing sector. It is suitable for artisanal and small-scale miners seeking to improve gold recovery and processing efficiency, mineral processing plant operators aiming to strengthen their operational skills, and geology and mining students seeking practical industry exposure. The course also benefits mining entrepreneurs, technicians, and field assistants involved in exploration, extraction, and processing activities. In addition, any interested individual wishing to gain hands-on knowledge in mineral processing technologies, safety practices, and modern beneficiation methods is encouraged to attend and enhance their professional competence in the mining industry.

2.4 QUALIFICATION FOR ADMISSION

Applicants seeking admission into the Certificate in Mineral Processing Technology must meet the following minimum entry qualifications.

Requirement Area	**Qualification**

Academic Qualification	Holder of Certificate of Secondary Education Examination (CSEE).
Age Requirement	Applicant must be at least 16 years of age
Language Requirement	Ability to read, write, and communicate in English and Kiswahili
Medical Fitness	Applicant must be physically and medically fit to participate in laboratory, field, and plant practical training
Work Experience	Experience in mining, mineral processing, geology, or related sectors is an added advantage, but not mandatory

2.5 STUDY MODE: **Full Mode**

2.6 ACCOMMODATION

The Institute does NOT provide accommodation. Applicants are required to arrange their own accommodation during the training period.

2.7 AWARD

Participants who complete the course requirements will be awarded a certificate of completion (SLP) titled "Mineral Processing Technology". Also, the participants will get a **Statement of Achievement.**

2.8 PROGRESSION PATHWAY

Upon successful completion, learners are awarded a certificate that confirms competence in mineral processing, metallurgy, and mining operations. This qualification enables entry into employment and provides eligibility for further studies. Graduates may progress to the NTA Level 4 Diploma in either Mineral Processing or Mining Engineering, where they build advanced technical and engineering skills. In addition, they can pursue professional certifications in metallurgy and mining operations to specialize in areas such as plant management,

gold recovery, laboratory analysis, and safety management, improving career growth and employability.

2.9 FIELD PRACTICES;

The 4-month field practice component provides participants with extensive hands-on exposure to real mining and mineral processing environments. Trainees will visit mineral market centers to understand mineral trading systems, pricing, grading, and legal marketing procedures. Practical training will also be conducted in artisanal and small-scale mining operation areas, where participants will learn mining methods, ore handling, safety practices, and production management. At vat leaching and Carbon-in-Pulp (CIP) processing plants, participants will gain experience in gold extraction techniques, cyanidation processes, adsorption systems, and recovery operations. Exposure to heap leaching processing units will provide knowledge on ore stacking, solution application, and metal recovery systems. Participants will further attend gold elution facilities to understand stripping, electrowinning, and smelting processes. Training in mineral and geo-laboratory environments will strengthen analytical and sampling skills, while visits to large-scale mining facilities will expose participants to modern technologies, professional mine management, environmental control, and advanced mineral processing operations.

2.9.1 Institute Uniform and Personal Protective Equipment (PPE) Requirements

To promote discipline, professionalism, and a conducive learning environment, all students of the **Artisanal Mining Institute (AMI)** are required to adhere to the institute's uniform policy.

Institute Uniform

Each student shall have:

- **Two (2) Institute T-shirts** (either **White** or **Gold** in color) bearing the institute's identity.
- **Two (2) Maroon Trousers**.

The Institute will provide the official T-shirts upon the student's arrival and registration. The cost of each T-shirt is **TZS 30,000**, making a total of **TZS 60,000** for two T-shirts. Students are responsible for purchasing their own maroon trousers in accordance with the institute's dress code specifications.

Wearing of Uniforms

The institute uniform, particularly the official AMI T-shirts, **must be worn at all times during class sessions, laboratory work, practical training, field exercises, educational tours, and other official institute activities**. Failure to comply with the uniform requirements may result in disciplinary action.

Personal Protective Equipment (PPE)

Due to the practical and field-oriented nature of mining and geological training, students are required to bring and maintain their own Personal Protective Equipment (PPE) for safety purposes. Each student shall have:

- Field closed safety shoes or sturdy closed shoes;
- Gumboots;
- Long-sleeved shirts suitable for field and practical activities;
- Long trousers suitable for fieldwork;
- Any additional safety equipment as may be prescribed by the institute for specific practical exercises.

Students will not be permitted to participate in practical training sessions, field trips, or site visits without the required PPE. Compliance with these safety requirements is mandatory and forms part of the institute's commitment to maintaining a safe learning environment.

3.0 PERSONAL INFORMATION

3.1. Full Name: _____

3.2. Gender: _____

3.3. Date of Birth: _____

3.4. Nationality: _____

3.5. National ID/Passport Number: _____

3.6. Postal Address: _____

3.7. Physical Address: _____

3.8. Phone Number: _____

3.9. Email Address: _____

3.10. Occupation: _____

3.11. Employer/Organization (if applicable):

_____

4.0 EDUCATIONAL BACKGROUND

Level	**Name of Institution**	**Year Completed**	**Award Obtained**
Primary			
Secondary			
College/University			

5.0 COURSE DETAILS

5.1. Preferred Intake/Training Date: ***Please tick (✓) the intake period you wish to enroll in.***

S/N	*Intake Period*	*Study Duration*	*Tick (✓)*
1	First Intake	October – March	☐
2	Second Intake	April – September	☐

5.2. Have you attended any mining/mineral processing training before? Yes [ ] No [ ] If Yes, specify:

_____

5.3. State briefly why you want to join this course:

_____

_____

_____

6.0 Mode of Application

Applications for admission into the short course Certificate in Mineral Processing Technology program at the ARTISANAL MINING INSTITUTE (AMI) are mainly submitted through email OR contact using: **+255 752 000 225 / 0710 437 305 / 0679 113 881.** Applicants are required to:

- Complete the official application form
- Attach certified copies of academic certificates and transcripts
- Attach a copy of National ID, Voter ID, Passport, or Birth Certificate
- Attach passport-size photographs
- Attach proof of payment for the application fee (if applicable)

Completed application documents should be submitted via email to the institute's official admission email address. info@ami.ac.tz

7.0 APPLICANT'S DECLARATION

I declare that the information provided in this application form is true and correct to the best of my knowledge.

Applicant's Signature: _____ Date: ____ / ____ / ____

FOR OFFICIAL USE ONLY

Application Received By: _____

Date Received: ____ / ____ / _____ Payment Verified: Yes [ ] No [ ]

Admission Status: Selected [ ] Not Selected [ ]

Authorized Signature: _____

Official Stamp:

8.0: PROGRAMME FEE STRUCTURE

No.	Fee Component	Description	Amount (TZS)
1	Tuition Fees	Classroom teaching for all theoretical modules (6 months)	1,850,000
2	Practical & Laboratory Training	Lab sessions, reagents, equipment use, and supervision.	250,000
3	Field Training & Industrial Attachment	Fieldwork coordination, supervision, and site exposure.	200,000
4	Training Materials	Manuals, handouts, notes, and learning resources	80,000
5	Assessment & Examinations	Continuous assessment, tests, and final exams	70,000
6	Certification & Transcript	Certificate printing, verification, and transcript issuance	30,000
7	Administration & Registration	Student registration, records management, and institutional services	20,000
	TOTAL FEE		**2,500,000**

NOT INCLUDED IN THE FEE

Item	Description
Accommodation	Student housing is not provided by AMI
Meals	Students are responsible for their own meals
Transport	Travel to and from training and field sites
Personal Tools	Any personal equipment beyond institutional support

9.0 PAYMENT INFORMATION

All payments should be made through the following accounts:

Bank Name: KCB Bank

Account Name: Artisanal Mining Institute

Account Number: 3391204036 or

USING LIPA NAMBA (YAS/TIGO): 22411866

Important Notes:

- Fees are paid in two installments **(75% at the first installment, 25% at the second Installment).**
- The fee structure is subject to change with prior notice.
- Applicants must attach proof of payment to this application form.

10: COURSE CONTENT

Program Component	Credits
Theory Topics (6 Months)	60 Credits
Field Practice Training (4 Months)	40 Credits
TOTAL PROGRAMME CREDITS	100 CREDITS

10.1: THEORY MODULES/TOPICS CREDIT DISTRIBUTION (60 CREDITS)

Month	Topic Area	Credits
Month 1	Introduction to Gold	5
	Mineralogy	5
Month 2	Comminution	5
	Coarse Gravity and Beneficiation	5
Month 3	Cyanidation and Cyanide Management	5
	Heap/Vat Leaching	5
Month 4	Adsorption (CIP/CIL)	5
	Refractory Ore Treatment	5
Month 5	Stripping Gold and Recovery	5
	Ancillary Systems	5
Month 6	Metallurgical Test Plans and Feasibility Studies	5

	Project Management	5
	TOTAL THEORY CREDITS	**60**

10.2: FIELD PRACTICE CREDIT DISTRIBUTION (40 CREDITS)

Month	**Field Practice Area**	**Credits**
Month 1	Geological and Mineralogical Field Practice	10
Month 2	Mineral Processing Plant Operations	10
Month 3	Leaching and Gold Recovery Operations	10
Month 4	Metallurgical Laboratory and Project Work	10
	TOTAL FIELD PRACTICE CREDITS	**40**