EMI INSTITUTE

ENGINEERING MANAGEMENT AND INNOVATION INSTITUTE

A sister Company of Standard Signs Contractors Ltd

Leading in Job creation

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Our Vision:

To be a leading center for innovation and technical skills development in Africa, promoting job creation and business excellence.

Our Mission:

To provide technical education and apprentice training, using modern technology and computerized systems, in order to enhance local workforce productivity, support innovation and creativity, provide sustainable jobs and promote economic growth.

Why choose EMI Institute

1- Hands-on training with modern computerised machines & equipment.

2- One-on-one mentorship aimed at immediate Job creation.

3- Rare opportunity to train on real-life projects, guided by experienced lecturers.

The following info are on the pages below:

➤ Details of short courses for direct Job creation.

➤ Details of short courses for capacity building

➤ Academic programmes (Diplomas & Certificates)

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Short Courses for Direct Job Creation

1- Computerised graphic designing.

2- Innovative craftsmanship skills.

3- Business & entrepreneurship skills training

4- Sign making & branding.

5- Building decoration & maintenance.

6- Electrical & solar power installation.

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COURSE: COMPUTERISED GRAPHIC DESIGNING (C.G.D.)

Introduction:
This course will equip students with conceptualization skills necessary for employment in the graphic design and advertising industry or to start a designing studio. Students who take this course will gain drawing skills, visualizing skills, conceptual skills, product design skills, together with hands-on skills in software required to professionally complete the graphic design job.

Target Group:
Out-of-school youth, O and A Level leavers, certificate & diploma holders. The course also targets working class who wish to develop a second profession.

Course Objectives:
Upon completing this course, the student will be able to:
› Assess and interpret clients' design needs and imagination.
› Develop product designs to meet client's expectations.
› Design logos, artwork, symbols and other promotional items using computerised graphic design applications.

Course Outline:
1. **Job Assessment and Planning**
2. **Introduction to Computer Aided Design (Corel Draw)**
3. **Adobe Illustrator**
4. **Adobe Photoshop**
5. **Sketch Up**
6. **Practical session and assessment**

Methodology:
Lectures, group discussions, demonstrations, field work and practical sessions.

Duration: 4 weeks

Venue: Engineering Management and Innovation Institute (EMI)

Training Cost: (587,500)
Enroll now and pay before starting date in order to enjoy 20% discount. Pay only **Ug shs 470,000/=**. This fee covers the cost of all training resources.

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COURSE: INNOVATIVE CRAFTSMANSHIP SKILLS (I.C.S.)

Introduction:
This course will equip students with ability to generate new product ideas and knowledge in originating designs of products that solve existing human challenges in an environmentally sustainable manner. Students will acquire skills in general manufacturing techniques giving them opportunity to work in low level manufacturing jobs or to create their own employment. The course covers principles of manufacturing, product design & development and introduction to computer aided design.

Target Group:
Out-of-school youth and certificate or diploma holders seeking a path into lower level jobs in manufacturing or entrepreneurship and business ownership. The course also targets working class who wish to develop a second profession.

Course Objectives:
Upon completing this course, the student will be able to:
› Identify basic human needs or challenges in their environment
› Create/modify, develop and manufacture products that solve the human needs and challenges identified using locally available resources and materials.
› Repair and refurbish existing products and recycle old materials to make new and innovative products.
› Build a business entity to deliver the products and services to meet needs in an environmentally sustainable way.

Course Outline:
1. Principles of Manufacturing
2. Product Design & Development
3. Tools and Materials
4. Computer Aided Design (Free Cad)
5. Environmental & Occupational Health and Safety
6. Basic Maths

Methodology:
Lectures, group discussions, demonstrations, field work and practical sessions.

Duration: 12 weeks

Venue: Engineering Management and Innovation Institute (EMI)

Training Cost: (900,000)
Enroll now and pay before starting date in order to enjoy 20% discount. Pay only **Ug shs 720,000/=**. This fee covers the cost of all training resources.

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COURSE: BUSINESS & ENTREPRENEURSHIP SKILLS TRAINING (B.E.S.T.)

Introduction:
This course equips students with the foundational knowledge, training, and resources to start, organize, and grow micro, small and medium enterprises. The training series takes students through the steps of building a business, from market research to generating new business ideas to developing a business plan and managing a business.

Target Group:
The course targets fresh graduates from universities and other tertiary institutions who wish to develop entrepreneurship skills to start their own business and those who intend to start a business or business owners and small-scale entrepreneurs planning to grow their business.

Course Objectives:
Upon completing this course, the student will be able to:
›   Identify business opportunities within their environment.
›   Develop creative solutions and build a viable business model around these solutions.
›   Develop a business plan and successfully run their business to achieve their goals.

Course Outline:
1. Introduction to innovation and entrepreneurship
2. Business opportunity identification
3. Business planning and costing
4. Business management skills
5. Practical session and assessment

Methodology:
Lectures, group discussions, demonstrations, field work and practical sessions.

Duration: 2 weeks

Venue: Engineering Management and Innovation Institute (EMI)

Training Cost: (300,000/=)
Enroll now and pay before starting date in order to enjoy 20% discount. Pay only **Ug shs 240,000/=**. This fee covers the cost of all training resources.

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COURSE: SIGN MAKING AND BRANDING (S.M.B.)

Introduction:
This course introduces students to a range of skills including how to design signs; prepare different types of surfaces; cut out and build plastics into letters and logos; use digital technologies and install signs. Students will also learn machining, joining, decorating, spray-painting and artwork transfer.

Target Group:
The course targets school leavers from O level, A level and university and other tertiary institutions. The course also targets working class who wish to develop a second profession. Those with background in fine art will have an added advantage in taking this course.

Course Objectives:
Upon completing this course, the student will be able to:
› Assess clients' needs for advertising and publicity.
› Develop product designs to meet client's expectations.
› Design logos, artwork, symbols and other promotional items using computerised graphic design applications.
› Apply different types of finishes onto signage.

Course Outline:
1. Job Assesment and Planning
2. Computer Aided Design (Corel Draw)
3. Principles in Sign Making Techniques
4. Sign Making Tools and Materials
5. Surface Preparation and Finishes
6. Basic Maths
7. Practical sessions and assessment

Methodology:
Lectures, group discussions, demonstrations, field work and practical sessions.

Duration: 12 weeks

Venue: Engineering Management and Innovation Institute (EMI)

Training Cost: (1,200,000)
Enroll now and pay before starting date in order to enjoy 20% discount. Pay only **Ug shs 960,000/=**. This fee covers the cost of all training resources.

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COURSE: BUILDING DECORATION & MAINTENANCE (B.D.M)

Introduction:
This course will equip students with skills to assess and recommend the operations and methods needed to execute decorations and maintenance jobs and to apply and install decorative materials and finishes required on buildings. The course covers drainage repairs and all types of building decorations, finishes and maintenance. Students will also be exposed to the various tools and materials used in the trade.

Target Group:
The course targets certificate or diploma holders in technical education, civil and environmental engineers and architects.

Course Objectives:
Upon completing this course, the student will be able to:
› Identify and explain the different types of decorations and finishes.
› Select the right materials and tools required for building decoration and maintenance.
› Recommend the operations and methods needed to execute decorations and maintenance jobs.
› Apply and install decorative materials and finishes required on a building.
› Build a business entity to deliver decorative and maintenance services to meet needs in the industry in an environmentally sustainable way.

Course Outline:
1. **Introduction to Finishes**
2. **Tools and Materials**
3. **Job Assessment and Planning**
4. **Computer Aided Design (Free Cad)**
5. **Basic Maths**
6. **Practical sessions and assessment**

Methodology:
Lectures, group discussions, demonstrations, field work and practical sessions.

Duration: 8 weeks

Venue: Engineering Management and Innovation Institute (EMI)

Training Cost: (575,000)
Enroll now and pay before starting date in order to enjoy 20% discount. Pay only **Ug shs 460,000/=**. This fee covers the cost of all training resources.

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COURSE: ELECTRICAL & SOLAR POWER INSTALLATION (E.S.P.I.)

Introduction:
This course will equip students with skills to assess energy requirements and power usage and to recommend appropriate energy solutions. The course covers principles of electrical power installations, cabling & installation, energy audit and power back-ups. Students will also be exposed to the various tools and materials used in the trade.

Target Group:
The course targets students who have completed a course in electronics or electrical installation, certificate or diploma holders in technical education and civil engineers.

Course Objectives:
Upon completing this course, the student will be able to:
› Identify and explain the different types of energy sources.
› Assess energy requirements for individuals or organizations and give appropriate advice basing on the assessment.
› Prepare a cost estimate for materials and other requirements necessary to complete an energy project.
› Make successful installations and all kinds of electrical installation replacement of gadgets and repairs.
› Build a business entity to deliver electrical and solar power installation & maintenance services to meet the industry needs in an environmentally sustainable way.

Course Outline:
1. Job Assesment and Planning
2. Introduction to Principles in Electric power installation
3. Cabling and Installation
4. Direct Current and Alternative Current
5. Energy Audit and Power Back-ups
6. Basic Maths
7. Practical sessions and assessment

Methodology:
Lectures, group discussions, demonstrations, field work and practical sessions.

Duration: 4 weeks

Venue: Engineering Management and Innovation Institute (EMI)

Training Cost: (562,500)
Enroll now and pay before starting date in order to enjoy 20% discount. Pay only **Ug shs 450,000/=**. This fee covers the cost of all training resources.

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Short Courses for Capacity Building

1- Business management skills for SMEs.

2- Modern marketing with I.T.

3- Computer aided manufacturing skills.

4- Introduction to architectural drawing.

5- Social media marketing.

6- I.T. essentials.

7- Computerised accounting.

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COURSE: BUSINESS MANAGEMENT SKILLS FOR SMEs (B.M.S.)

Introduction:
This course will equip students with skills to assess business status and improve or develop new strategies for running the business. Topics include creativity and innovation for growth, management systems development, book-keeping and accounting, motivation of others, coaching skills, negotiation, team management and integration of ICTs into business.

Target Group:
The course targets owners and staff of micro, small and medium enterprises who wish to expand or grow their businesses. The course also targets working class who wish to develop a second profession.

Course Objectives:
Upon completing this course, the student will be able to:
› Apply core management behaviors and techniques to deliver results
› Assess business profitability and growth prospects and implement necessary controls to achieve growth targets.
› Communicate with, motivate, and empower staff working as a team.
› Delegate work to individuals and teams
› Develop a management vision for success

Course Outline:
1. **Creativity and innovation for growth**
2. **Developing and Implementing management systems and procedures**
3. **Book keeping, Accounting and statutory compliance**
4. **Developing and Nurturing a winning team**
5. **Integrating ICT tools into Business**
6. **Practical sessions and assessment**

Methodology:
Lectures, group discussions, demonstrations and practical sessions.

Duration: 2 weeks

Venue: Engineering Management and Innovation Institute (EMI)

Training Cost: (350,000)
Enroll now and pay before starting date in order to enjoy 20% discount. Pay only **Ug shs 280,000/=**. This fee covers the cost of all training resources.

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COURSE: MODERN MARKETING with I.T. (M.M.I.T.)

Introduction:

This course will equip students with modern marketing skills needed to develop strategies to achieve competitive advantage using information and communications technologies (ICTs). Topics include marketing essentials, consumer behavior, crafting a successful value proposition, developing and implementing a winning marketing plan and integration of ICTs into the marketing effort. Emphasis will be placed on ICTs as they relate to selling, promotion, pricing, purchasing, marketing information management, product/service planning, distribution, financing, and risk management.

Target Group:

The course targets owners and staff of micro, small and medium enterprises who wish to expand or grow their businesses. It also targets marketing and non-marketing executives and managers who need to keep abreast of current issues and best practices in modern marketing.

Course Objectives:

Upon completing this course, the student will be able to:

› demonstrate a clear understanding of the marketing concepts and their importance to a company's long-term success in the marketplace.
› Be equipped with the key requisites for innovative marketing and how it can create impact and lead to measurable results.
› Have the opportunity to apply selected ICT tools and techniques in case-studies in a collaborative learning environment.
› Develop an effective marketing plan for success

Course Outline:

1. **Marketing Essentials**
2. **Understanding Customer behaviour**
3. **Developing a successful value proposition**
4. **Developing and implementing an effective marketing plan**
5. **Integrating ICT into marketing**
6. **Practical sessions and assessment**

Methodology:

Lectures, group discussions, demonstrations and practical sessions.

Duration: 2 weeks

Venue: Engineering Management and Innovation Institute (EMI)

Training Cost: (350,000)

Enroll now and pay before starting date in order to enjoy 20% discount. Pay only **Ug shs 280,000/=**. This fee covers the cost of all training resources.

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COURSE: COMPUTER AIDED MANUFACTURING SKILLS (C.A.M.S.)

Introduction:
This course will enable students to explore and gain further understanding of how the computers can be used in the Manufacturing Industry. It introduces students to principles and applications of CAD/CAM in product and manufacturing design, preparing them for a career as machine operators for semi-automated and fully automated equipment, production supervisors or maintenance technician for computer aided equipment.

Target Group:
The course targets people who have completed a course in technical education especially certificate or diploma holders in engineering trades. It also targets people with a background in ICT both at diploma and degree level or those who have experience in power driven machine operations.

Course Objectives:
Upon completing this course, the student will be able to:
› Understand and apply the principles of computers aided equipment and systems in manufacturing.
› Install a computer aided equipment operating software, operate the equipment and carry out simple maintenance functions.
› Apply the best use of computer-aided manufacture techniques in a modern factory.

Course Outline:
1. Introduction to Computer Aided Manufacturing
2. Principles of Machine operations
3. Hardware and Software
4. Troubleshooting and basic maintenance
5. Environmental & Occupational Health and Safety
6. Machine room Regulations
7. Safe Packaging and storage
8. Practical sessions and assessment

Methodology:
Lectures, group discussions, demonstrations, field work and practical sessions.

Duration: 4 weeks

Venue: Engineering Management and Innovation Institute (EMI)

Training Cost: (750,000)
Enroll now and pay before starting date in order to enjoy 20% discount. Pay only **Ug shs 600,000/=**. This fee covers the cost of all training resources.

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COURSE: INTRODUCTION TO ARCHITECTURAL DRAWING (I.A.D.)

Introduction:
This course will introduce students to the world of architectural drawing by discussing concerns in site planning, floor and foundation planning, elevations, sectional views and structural calculations. Emphasis is placed on the application of CAD tools in the creation of floor plans, foundation plans, basic roof design, section and details, and elevation drawings.

Target Group:
The course targets graduates of the various engineering trades both at diploma and degree level. The course also targets students who have completed technical drawing at O and A level.

Course Objectives:
Upon completing this course, the student will be able to:
› Assess conventional design strategies to create design efficiency and flow.
› Identify commonly used structural components.
› Draw complete floor plans
› Draw foundation plans, and basic roof plans.
› Generate cross sections, elevations, and detail views.

Course Outline:
1. **Introduction Drawing convention and practices**
2. **Use of Drawing tools and equipment**
3. **Site, Floor and Ceiling plan**
4. **Elevations and sections**
5. **Presentation drawings**
6. **Practical sessions and assessment**

Methodology:
Lectures, group discussions, demonstrations, field work and practical sessions.

Duration: 4 weeks

Venue: Engineering Management and Innovation Institute (EMI)

Training Cost: (275,000)
Enroll now and pay before starting date in order to enjoy 20% discount. Pay only **Ug shs 220,000/=**. This fee covers the cost of all training resources.

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COURSE: SOCIAL MEDIA MARKETING (S.M.M.)

Introduction:

This course will equip students with social media marketing skills by utilizing projects that give students hands-on experience implementing social media marketing strategies. Topics include integrating different social media technologies into a marketing plan, creating social media marketing campaigns and applying appropriate social media tools.

Target Group:

The course targets owners and staff of micro, small and medium enterprises who wish to expand or grow their businesses. It also targets marketing and non-marketing executives and managers who need to keep abreast of current issues and best practices in social media marketing and people who wish to start a new career in the marketing field / profession.

Course Objectives:

Upon completing this course, the student will be able to:

› Demonstrate a clear understanding of the social media marketing concepts and their importance to a company's long-term success in the marketplace.
› Use social media technologies to create and improve marketing efforts for businesses.
› Develop an effective marketing plan for success which integrate social media

Course Outline:

1. **Introduction to marketing and Social media marketing**
2. **Marketing with Facebook**
3. **Marketing with Twitter**
4. **Marketing with Instagram**
5. **Developing a marketing plan**
6. **Integrating social media into a marketing plan**
7. **Practical sessions and assessment**

Methodology:

Lectures, group discussions, demonstrations and practical sessions.

Duration: 1 week

Venue: Engineering Management and Innovation Institute (EMI)

Training Cost: (150,000)

Enroll now and pay before starting date in order to enjoy 20% discount. Pay only **Ug shs 120,000/=**. This fee covers the cost of all training resources.

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COURSE: IT ESSENTIALS (I.T.E.)

Introduction:

In this course, students learn about the components and basic operation of the personal computer. The content in this course is both conceptual and practical, and is intended to provide students with a working knowledge of computing. Students explore hardware troubleshooting, file management, multimedia options, and browsing the Internet.

Target Group:

This course is a prerequisite for all the courses at the Institute and targets all students intending to take a specialized course at the Institute. The course also targets other people who wish to improve their ICT skill or those who want to apply ICTs into their profession or trades.

Course Objectives:

Upon completing this course, the student will be able to:

› Identify and name the various computer parts and explain their role as part of the system unit.
› Power the computer system and undertake basic trouble shooting tasks on the computer;
› Select the right application for performing a specific office task.
› Gain proficiency in use of office computer applications, especially word processors, spreadsheets, email and internet applications.

Course Outline:

1. **Introduction to computers**
2. **Introduction to Desktop applications (Word processing, Spreadsheets and presentations)**
3. **Internet and Emails**
4. **Troubleshooting and basic maintenance**
5. **Practical session and assessment**

Methodology:

Lectures, group discussions, demonstrations and practical sessions.

Duration: 1 week

Venue: Engineering Management and Innovation Institute (EMI)

Training Cost: (125,000)

Enroll now and pay before starting date in order to enjoy 20% discount. Pay only **Ug shs 100,000/=**. This fee covers the cost of all training resources.

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COURSE: COMPUTERISED ACCOUNTING (C.A.)

Introduction:
This course introduced students to computerized accounting using commonly available accounting software. It is designed for beginners, and no previous accounting software experience is required. The course covers: company creation and configuration, setting up chart of accounts, voucher entry, end of period auditing and reconciliation, reviewing and customizing reports.

Target Group:
The course targets students undertaking business or accounting courses at universities or other tertiary institutions of learning. The course also targets accountants, small business owners and managers who wish to adopt computerized accounting to automate their accounting and reporting systems.

Course Objectives:
Upon completing this course, the student will be able to:
›   Clearly describe the main components of an accounting information system.
›   setup and manage a company's financial records using at least one computerized accounting package,
›   Be able to produce or access financial information needed for managerial decision making.

Course Outline:
1. **Overview of the accounting information system**
2. **Installing and configuring accounting application**
3. **Setting up chart of accounts**
4. **Entering transactions**
5. **End of Period Audit & Reconciliation**
6. **Generating financial Reports**
7. **Practical session and assessment**

Methodology:
Lectures, group discussions, demonstrations, field work and practical sessions.

Duration: 1 week

Venue: Engineering Management and Innovation Institute (EMI)

Training Cost: (175,000/=)
Enroll now and pay before starting date in order to enjoy 20% discount. Pay only **Ug shs 140,000/=**. This fee covers the cost of all training resources.
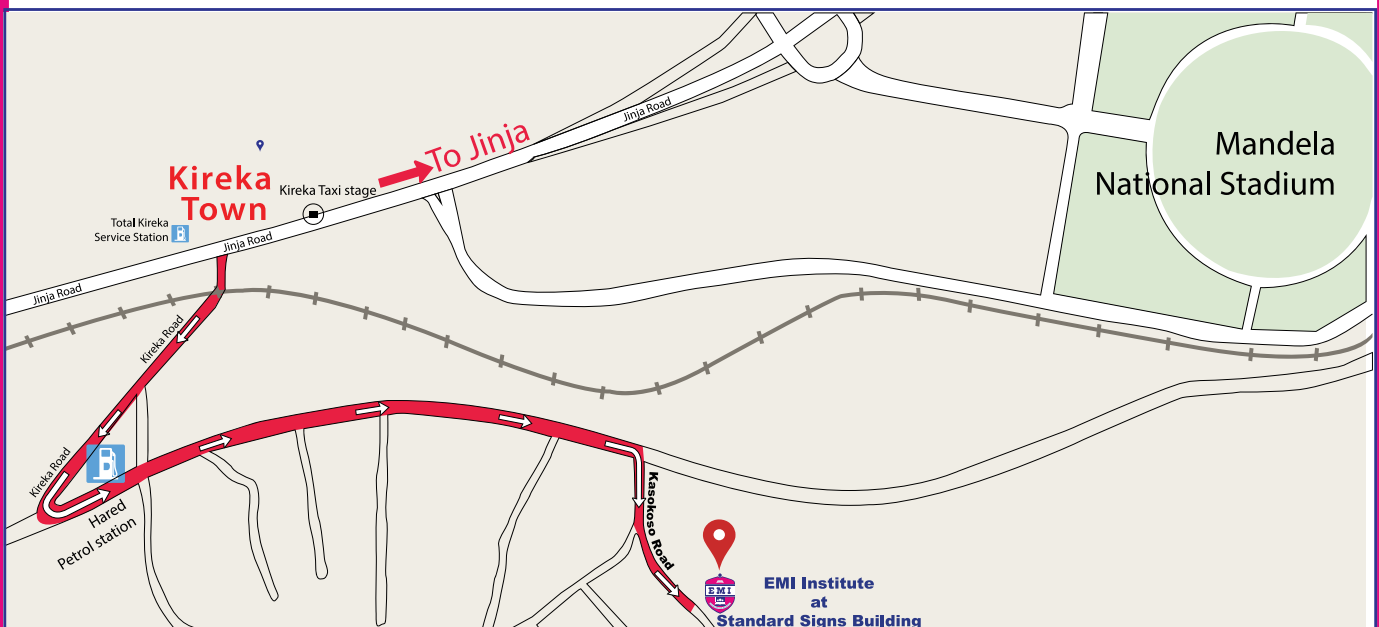Note: Additional accounting package is charged **UGX 110,000/=**

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Academic programmes for Two years

Diplomas & Certificate programmes in:

1- Computerised graphic designing.

2- Information technology.

3- General fablication technology.

4- Renewable energy engineering.

5- Business administration.

6- Accounting & data processing.

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