



Register Now  
For our LIVE  
Online Session  
2 CPD

# Financial Management and Financial Project Appraisal For Engineers Masterclass

## Live Session Dates

6<sup>th</sup> to 7<sup>th</sup> December 2021

24<sup>th</sup> to 25<sup>th</sup> January 2022

14<sup>th</sup> to 15<sup>th</sup> February 2022

30<sup>th</sup> to 31<sup>st</sup> March 2022

BEE Level 4 Contributor  
CSD Registration :MAAA0642649

**CASI**  
Construction Academy

+27 877005633

[www.casits.co.za](http://www.casits.co.za)

[register@casits.co.za](mailto:register@casits.co.za)

## **Overview**

Technical expertise alone will not get you to the top unless you understand the accounting and reporting that drives engineering businesses. The aim of this intensive, hands-on workshop will allow you to master business plans, budgets, forecasts, profit and loss statements and end of year accounts using the same language as the business operations of your organisation.

Most importantly, as true project cost control comes from understanding, eliminating and minimising risk prior to a business committing any funds, this workshop will guide you through the stages of practical financial and business appraisals of projects and capital expenditure.

This workshop has been designed to provide you with the combination of essential financial management for engineers and financial evaluation of engineering projects.

## **Who Should Attend**

This course is designed for managers , executives wanting to consolidate their skills and broaden their career options in the engineering field

### **Chief engineers, Engineers, Managers, such as:**

- Maintenance Managers
- Electrical Engineers
- Mine Managers
- Project Engineers
- Maintenance Planners
- Quality Control
- Site Inspectors
- Shutdown Planners
- Frontline Supervisors
- Operations Managers

## ATTEND AND GAIN PRACTICAL INSIGHTS INTO:

- Reading business drivers and better communicating with your company's accountants and finance teams
- Understanding management and financial accounts for superior decision making
- Interpreting suppliers' and customers' accounts to assess their financial health
- Improving your budgeting and cash management skills
- Understanding discounted cash flow (DCF), internal rate of return (IRR) and appraisal measures for engineering projects
- Developing and carrying out a full project appraisal
- Recognising how to frame project investment analysis and how to present a fully articulated business proposal
- Carrying out a full capital expenditure appraisal before buying your engineering kit
- Focusing on risk, financial exposure, and financial risk management strategies
- Identifying the legal consequences of your actions and decisions in dealing with customers and suppliers

## Course Directors

CASI Construction Academy with Industry experts in this field located in various towns. List to be updated as sessions progress. Our list includes:

1. A highly experienced accredited training facilitator, Assessor and Moderator with extensive experience. BSc.App. Chemistry (Hons), PgCr Business Leadership, PgDpl Training in Advanced Quality Management, MSc. He has a combined Sixteen (16) years experience in 1) SHERQ Management System 2) Project Management (3 years) and also ENERGY Management, Business Continuity (BCM) and Asset Management (AM).

He has #Experience in the MANUFACTURING, CONSTRUCTION, ENGINEERING & MINING Industry.

He has worked in three major manufacturing organizations as a "SYSTEM BUILDER" for ISO 9001/ISO 14001/ISO 18001

His combined experience in PROJECT Management and MANAGEMENT SYSTEM building in the areas of ISO 9001/ISO 14001/ISO 18001 is added VALUE to any company exploring to improve PROCESSES/SYSTEMS/PEOPLE in any organization through my specialities in:

- 1) Quality Management/ISO 9001: 2015
- 2) Safety, Health and Environment/SHE ISO 14001/18001 and 3) now ISO 50001
- 4) Project Management For ICT4D
- 5) Project Finance
- 6) Risk Management
- 7) Business Continuity Management (BCM)

His work experience includes: Project Quality Engineer (DeBeers), Project Quality Manager (GIZ GmbH), Quality Assurance manager Board Member on the SASQ

2. He has an LLB. BComm (DMU) an MBA (DMU) and an BEng (Hons)(DMU). His ability to reason and rationalize combined with earnest enthusiasm make him a proficient and vibrant speaker. He has led numerous training companies to success in the capacity of CEO as well as lecturing at CIDA City Campus and Walter Sisulu University, driving firm social and ethical principles through understanding and co-operation.

### Session One

#### Accounting and Financial Reporting

- Highlighting the workshop overview and objectives
- Examining the value chain determining where and how value is created
- Establishing the purpose of financial accounting reports
- Discussing primary activities and support activities
- Assessing direct costs and indirect costs determining how all costs must be reported and recovered

### Session Two

#### Gaining valuable insight into financial statements

- Analysing the corporate accounting process
- Exploring the principles and concepts of double entry accounting debits and credits
- Addressing the key financial statements
  - balance sheet
  - profit and loss statement
  - cashflow statement
- Reconciling retained earnings with profit and loss and dividends
- Uncovering capital and operating costs
  - Determining the costs that are immediately expensed
  - Determining the costs that get capitalized and depreciated

#### Practical Exercise:

This introductory practical exercise will provide a focus on Depreciation methods the aim of the exercise is to assist delegates in creating a set of financial statements from raw data

### Session Three

Highlighting accounting ratios and key performance indicators

- Understanding that while financial accounting focuses on getting the numbers right, financial analysis focuses on what the numbers mean .
- Using financial statements to understand the business
- Determining the key financial ratios
- Examining profitability, efficiency, and liquidity ratios
- Performing an analysis from a credit perspective or an investment perspective
- Recognising warning signs and identifying the red flags
- Gaining a comparative analysis and trend analysis

#### Practical Case study session:

In this practical case study session your training thus far will be enhanced by a real-life example of analyzing the financial statement of a publicly listed company.

### Session Four

#### Discussing the corporate budget

- Capitalising on the strategic plan and the corporate budget
- Highlighting the budgeting process
- Analysing top down and bottom up budgeting
- Budgeting to constraints and uncertainty

### Session Five

#### Assessing the fundamentals of cash versus profit

- Highlighting differences between cash flow and profit
- Determining why 'Cash is King' for lenders and owners
- Addressing the concept & implications of accrual accounting
- Identifying how 'profitable' companies can suddenly go bankrupt
- Gaining insight into statutory financial reporting
  - Accounting versus Cash flow analysis

Interactive group session: The progression of this session will see delegates interact with each other and the trainer in creating a set of financial statements from raw data

#### Online Programme Schedule

<b>9:00</b>	<b>Registration</b>
	<b>Morning session begins</b>
<b>10:30 - 10:50:</b>	<b>Networking break</b>
<b>12:30 :</b>	<b>Lunch Break</b>
<b>13:30:</b>	<b>Afternoon session begins</b>
<b>15:00 - 15:20 :</b>	<b>Networking break</b>
<b>16:30 :</b>	<b>Course concludes</b>

**All timings are approximate due to the interactive nature of the course**

**Delegates must have a laptop/ Tablet or phone with internet**

## Course Agenda

### Session One

#### Acquiring insight into discounted cash flow analysis

- Analysing the fundamentals of financial markets
- Risk
- Return
- Value
- Exploring the time value of money
- Illustrating the cost of capital
- Preparing a discounted cash flow statement
- Over-viewing revenue, capital, operating cost, and tax considerations
- Establishing the importance of using after tax cash flows in making decisions
- Ascertaining when to use ranking indicators
- Focusing on :
  - Net present value
  - Internal rate of return
  - Payback

### Session Two

#### Using Discounted Cash Flow analysis to make decisions



**Brainstorming Session :** This session will facilitate a knowledge exchange in which delegates will evaluate a business decision using discounted cash flow

### Session Three

#### Performing a risk & sensitivity analysis

Understanding uncertainty & risk  
Addressing the sensitivity analysis  
Evaluating the monte carlo analysis

### Session Four

#### Exploring effective risk management

- Defining financial risks and technical risks
- Discovering effective risk management techniques
  - Forward sales
  - Purchases
  - Put/call options
- Investing in information to reduce technical risk

**Practical Exercise:** In this interactive session you will formulate a risk management strategy for an investment decision

### Session Five

#### Analyzing and presenting a business case

- Discussing project evaluation and decision making
  - Framing the analysis
  - Assessing alternatives
  - Presenting the business case
- Executing post completion audits
  - learning from experience

### Session Six

#### Understanding the legal consequences of your actions and decisions in dealing with customers and suppliers

- Avoiding legal pitfalls
- Appreciating the consequences of non-conformance
- Using contracts to help you move projects forward
- Recognising or anticipating contractual problems and knowing when to raise concerns or seek advice

#### Question and Answer session:

This highly interactive concluding practical session, chaired by the trainer will see all questions that arose during the workshop being addressed.

To register Email: [register@casits.co.za](mailto:register@casits.co.za) Website : [www.casits.co.za](http://www.casits.co.za)

Contact Numbers +27 87 700 5633

### Onsite Training

Maximize on learning and reduce on company downtime by managing your employee training .

#### Designed for you

Tell us your training needs, and we will plan an agenda to address the issues that matter most to your organization Focus on your own company rather than generic examples, and maximize impact by incorporating presentations from your auditors or company management.

Run the training where and when you want it – at your own premises or at another suitable venue of your choice - anywhere in the world.

#### Rely on our experience

Receive first class support and advice from our dedicated team from planning to delivery and de-brief.

Work with CASI CA instructor best qualified for your organization and your business sector.

Tackle confidential issues and strategic challenges privately under the guidance of our specialists.

#### The benefits

Upgrade your team’s skillset, invest in your staff and increase their job satisfaction through empowerment.

Our in-house courses qualify for professional education training credits (CPD) from relevant bodies.

Our cost effective In-House courses are priced per day with no limit to the number of participants. If you choose to train locally, you will save on course fees, travel expenses and time away from the office.

#### What are the Costs?

Every In-House Training session is different - we customize the training and that applies to the pricing too. Tell us about your project, and we will give you a specific training proposal and price according to your training needs. The price will be based on a per day (rather than per person) basis, and we place no limit on the number of participants.

Contact our team of training consultants today to discuss your specific requirements. [register@casits.co.za](mailto:register@casits.co.za)

### Registration

- Complete the registration on the last Page
- Select delegate package
- Submit scanned copies to [register@casits.co.za](mailto:register@casits.co.za)
- Receive invoice , Make payment , Complete pre-workshop Questionnaire
- Attend Session



By completing this form, Web submission or Booking via email , you are acknowledging that you have read the terms and conditions and that you have committed to attend this event. Please send this registration form or names only once you have obtained approval - as YOUR company will be liable for costs once this information has been received by us. If the minimum number of delegates required is not met, the delegates will be moved to attend the next available confirmed class.

**Delegate Details**

Full Names : \_\_\_\_\_  
ID number : \_\_\_\_\_  
Position : \_\_\_\_\_  
Cell Number : \_\_\_\_\_  
Email : \_\_\_\_\_  
Alternate email : \_\_\_\_\_

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**Financial Management and Financial Project Appraisal For Engineers**

**Delegate Fees**

**R8 999** excl. VAT per delegate  
**R7 999** excl. VAT per delegate  
Group booking 4+ delegates

**Select Live Online Session dates**

24<sup>th</sup> to 25<sup>th</sup> January 2022  
14<sup>th</sup> to 15<sup>th</sup> February 2022  
30<sup>th</sup> to 31<sup>st</sup> March 2022

**Payment By Means Of Bank Transfer**

- All Payments Must be made directly into the CASI Bank Account provided on the invoice and proof of banking details
- Please state the invoice number as reference .
- A copy of the bank deposit / Proof of Payment receipt must be emailed to [accounts@casits.co.za](mailto:accounts@casits.co.za)

Links will be sent out to fully registered delegates

**Invoice Contact**

First Name : \_\_\_\_\_  
Position : \_\_\_\_\_  
Department : \_\_\_\_\_  
Contact Number: \_\_\_\_\_  
Cell Number: \_\_\_\_\_  
Email : \_\_\_\_\_

**I hereby acknowledge that I have read an understood all the terms and conditions of registration and have the authority to approve the registration on behalf of the company**

Name \_\_\_\_\_ Position \_\_\_\_\_  
Approving Managers Signature : \_\_\_\_\_ Date: \_\_\_\_\_ email: \_\_\_\_\_  
Direct line: \_\_\_\_\_ Company Name: \_\_\_\_\_  
Type of Business: \_\_\_\_\_ Company Registration# \_\_\_\_\_  
Tel : \_\_\_\_\_ Fax: \_\_\_\_\_ VAT Number \_\_\_\_\_  
Address: \_\_\_\_\_  
P.O.BOX : \_\_\_\_\_

**Terms and Conditions**

Term "CASI" refers to CASI Construction Academy PTY LTD . The signed registration form is a legally binding contract. The signed registration form is a legally binding contract. Please take note that a booking submission made via email or web submission or Telephonic is considered legally binding and as such , the registered delegates must inform the organiser if they will not be able to attend failure to which the case will be handed over and penalties apply . **CASI does not provide refunds for cancellations**, however you may provide substitute delegates at any time. For cancellations received in writing more than seven(7) days prior to the conference you will receive 100% credit, subject to a 10% administration fee, to be used at another CASI conference for up to one year from the date of issue. For cancellations received seven(7) days or less prior to an event (including day 7), no credit will be issued. In the event that CASI cancels an event, delegate payment at the date of cancellation will be credited to one future CASI This credit will be available for up to one year from the date of issue. **All participants must pay the registration fee prior to arrival at the conference venue. The same applies to live online sessions , all delegates must pay the fees before receiving a link to register to attend . Delegate fees on online live sessions only include course fees and course material which are provided to fully registered delegates . CASI reserves the right to change the LMS platform if deemed fit .** In the event that CASI postpones an event, delegate payments at the postponement date will be credited towards the rescheduled date. If the delegate is unable to attend the rescheduled event, the delegate will receive 100% credit representing payments made towards one future CASI. This credit will be available for up to one year from the date of issue. No refunds will be available for cancellations or postponements. We reserve the right to postpone a seminar due to low enrolment. CASI reserve the right to amend any part of the Conference programme if necessary at any time. **CASI suggests clients wait until a week prior to course commencement that a course has been confirmed to go ahead as scheduled before booking flight and accommodation. CASI is NOT responsible for cost associated with cancellation/ Postponement of classes such as flight and accommodation for clients. CASI will not be held liable for travel and accommodation costs. The conference fee for physical classes includes: conference material, lunches and refreshments, but excludes travel & accommodation. CASI has a strict no cash Refund Policy .** We reserve the right to cancel delegate registration if delegate conduct is not followed . CASI is not responsible for any loss or damage as a result of a substitution, alteration or cancellation/ postponement of an event. CASI shall assume no liability whatsoever in the event this conference is cancelled ,rescheduled or postponed due to a fortuitous event, act of God, unforeseen occurrence or any other event that renders performance of this conference impracticable or impossible. For purposes of this clause, a fortuitous event shall include, but not be limited to: war, fire, labour strike, extreme weather or other emergencies. Alterations to the program will be communicated to the fully registered delegates . Any venue listed must be treated as provisional . **Please note: Upon receiving the registration form, an invoice will be issued electronically. Delegates are not permitted to record or reproduce any part of the online session . When payments are made, please supply the bank with your Invoice number as reference. Fees include lunch, refreshments and conference documentation. The organisers reserve the right to make necessary changes to the programmes, speakers, venue or the dates should the need arise. All unpaid invoices will be handed over . Invoices must be paid within 5 days of registration .**