



2024 Annual Assembly of Registered Quantity Surveyors and Induction of Newly Registered Quantity Surveyors

Upskilling The Competence Of The Quantity Surveyor For Relevancy In A Dynamic World: Focus On Challenges and Opportunities In The Nigerian Construction Industry

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Introduction

The construction industry has been regarded as one of the important national economic indexes of any country. The construction industry confronts more sophisticated customers' requirements that cannot be easily accommodated by the traditional competencies of the quantity surveyor. The ever-changing environment of the construction industry demands quantity surveyors to update their knowledge and skills to cope with the challenges.

The quantity surveying profession and services are continually changing too to stay relevant with these technologically driven changes in the construction industry.

By upskilling, quantity surveyors can expand their professional scope and remain indispensable in the construction industry and also continue to create demand for their services now and in the future.

Traditional Roles of The Quantity Surveyor

- Preparation of Construction Cost Estimates
- Preparation and pricing of bills of quantities for tender and value engineering
- Contract Documentation
- Attending site meetings and inspections
- Preparation of cash flow forecasts
- Advising clients/consultants on cost implications of arising variations (time and cost overrun)
- Carrying out site re-measurements
- Carrying out interim valuations of works
- Preparing project financial appraisals
- Preparing of final accounts and agreeing with all parties
- Assessing contractor's claims

Evolving Roles of The Quantity Surveyor



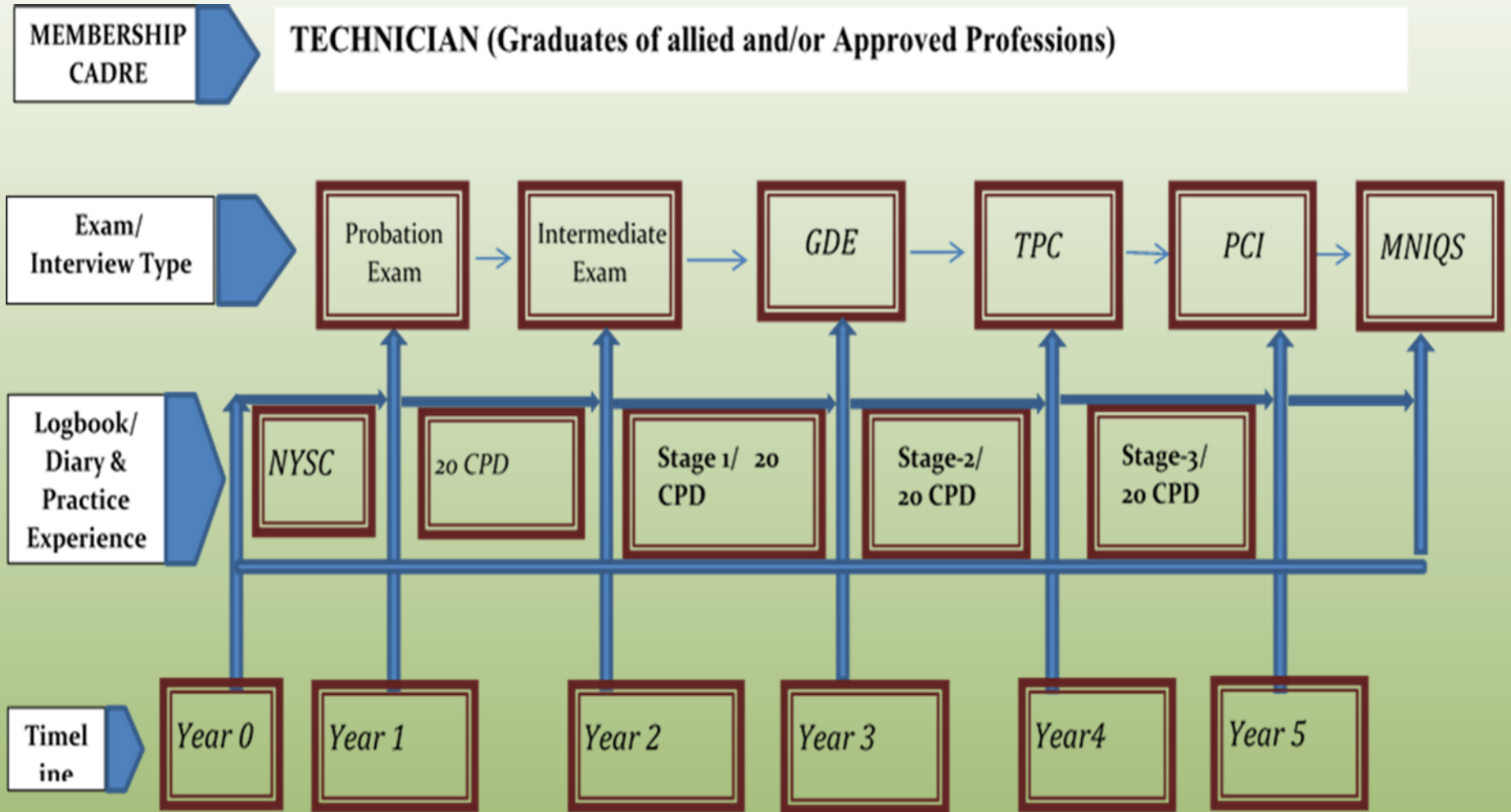
- ❖ Investment Appraisal
- ❖ Advice on cost limits and budgets
- ❖ Whole life costing
- ❖ Value Management
- ❖ Risk Analysis
- ❖ Insolvency Services
- ❖ Cost Engineering services
- ❖ Subcontract administration
- ❖ Environmental services measurement and costing
- ❖ Technical Auditing
- ❖ Planning and Supervision

Evolving Roles of The Quantity Surveyor ...Cont'd



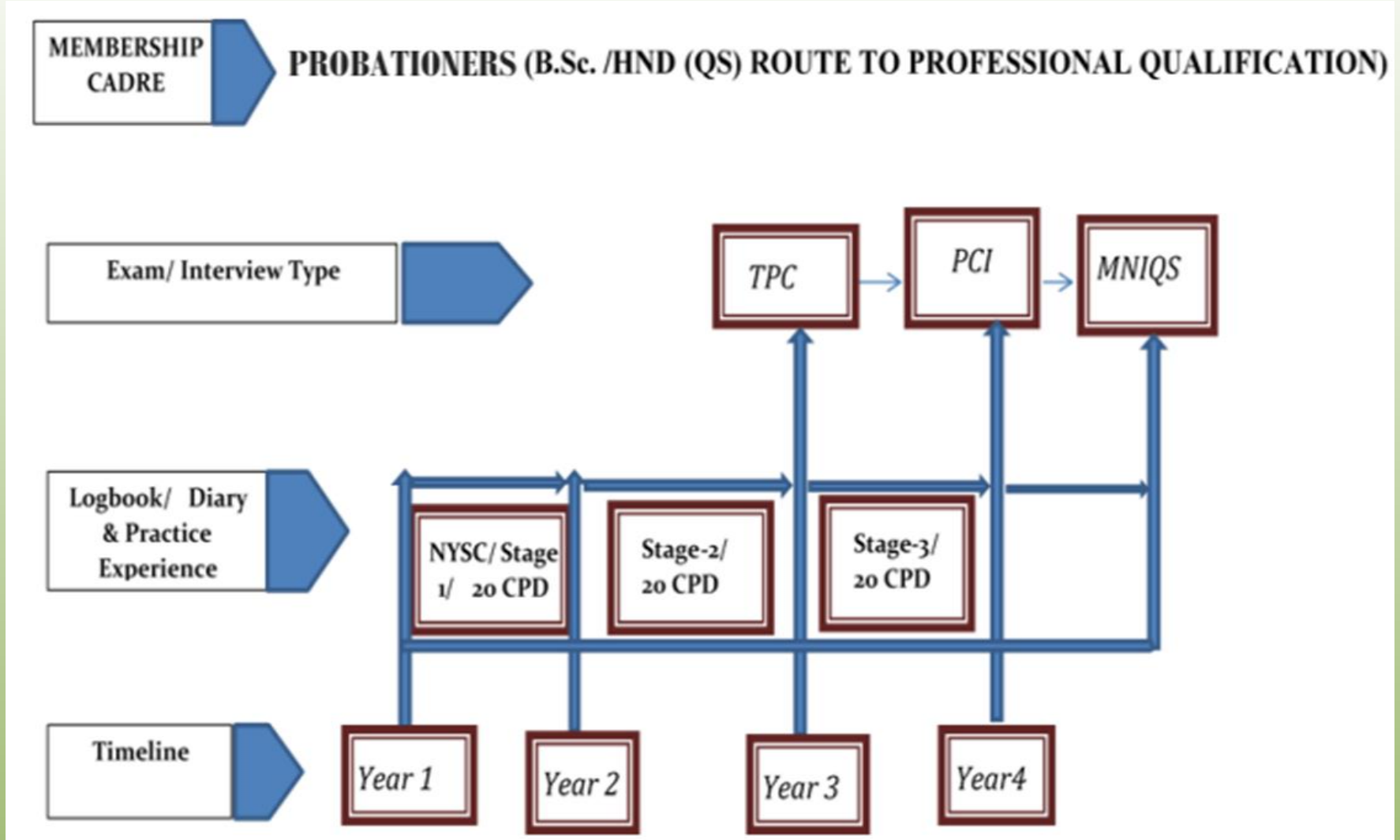
- ❖ Project Management
- ❖ Valuation for insurance purposes
- ❖ Facilities Management
- ❖ Administering Maintenance programmes
- ❖ Advice on Contractual Disputes
- ❖ Planning supervisor
- ❖ Employers' Agent
- ❖ Programme Management
- ❖ Cost Modelling
- ❖ Sustainability Advisor

ROUTE TO PROFESSIONAL QUALIFICATION



Source: NIQS Membership Policy & Guidelines - 2021

ROUTE TO PROFESSIONAL QUALIFICATION



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CHALLENGES TO IMPROVING QUANTITY SURVEYORS' COMPETENCIES



1. **Continuous Learning:** The construction industry is constantly evolving, making it essential for quantity surveyors to stay updated with new technologies, techniques and regulations
2. **Practical Experience:** Quantity surveyors need hands-on experience to develop their skills, but gaining sufficient experience can be a challenge, especially for newcomers to the field
3. **Industry Dynamics:** The construction industry is highly dynamic, with changing project requirements, unexpected site issues, and shifting client expectations
4. **Professional Development:** Quantity surveyors may need to balance work demands with the need for ongoing professional development, such as training and education

CHALLENGES TO IMPROVING QUANTITY SURVEYORS' COMPETENCIES...Cont'd



5. **Specialization:** The field of quantity surveying is specialized, and developing expertise in specific like sustainable construction or building information modeling (BIM), can be challenging

6. **Staying Current with Industry Standards:** Quantity surveyors must keep up with changing industry standards, regulations and best practices

7. **Soft Skills Development:** Quantity surveyors need strong communication, collaboration, and project management skills, which can be challenging to develop

8. **Mentorship and Guidance:** Finding experience mentors or guidance can be challenging, especially for those new to the profession

FUTURE CHALLENGES FOR QUANTITY SURVEYING



- ❖ Changes in Technology – Constant technological changes and updates (emerging ICT such as BIM is one of the challenges for Quantity Surveying)
- ❖ Lack of Sustainability Knowledge
- ❖ Globalization
- ❖ Demand for Diversified Services
- ❖ Competitive Job Market

OPPORTUNITIES FOR QUANTITY SURVEYORS IN THE CONSTRUCTION INDUSTRY

1. Sustainability and Green Building; with the increasing focus on environmental sustainability, quantity surveyors can play a crucial role in cost effectively delivering sustainable construction projects
2. Digital Transformation; the adoption of technologies like BIM, artificial intelligence, and data analytics offers opportunities for quantity surveyors to enhance their skills and services
3. Infrastructure Development; the need for infrastructure development in emerging markets and developed economies provides opportunities for quantity surveyors to work on large-scale projects
4. Construction Innovation; the increasing use of innovative construction methods, such as modular construction and 3D printing, requires quantity surveyors to adapt and innovate
5. Project Management; quantity surveyors can leverage their skills to move into project management roles, overseeing entire projects from conception to completion

OPPORTUNITIES FOR QUANTITY SURVEYORS IN THE CONSTRUCTION INDUSTRY ...Cont'd



6. Specialized Services; quantity surveyors can offer specialized services like risk management, value engineering and dispute resolution
7. International Opportunities; with the global nature of the construction industry, quantity surveyors can work on international projects and collaborate with global teams
8. Consulting and Advisory Roles; quantity surveyors can transition into consulting and advisory roles, providing expert advice to clients and projects
9. Research and Development; quantity surveyors can contribute to research and development in construction technology, sustainability and innovation
10. Leadership Roles; experienced quantity surveyors can move into leadership positions, shaping the direction of construction companies and industry organisations

CONCLUSION

For Quantity Surveyors to continue to remain relevant and effective as key service providers in the construction, we must adapt to new technologies, develop skills and competencies on issues around sustainability and stay abreast of regulatory changes and standardization.

It is also evident that with the right and appropriate skills and competencies that quantity surveyors will continue to play very crucial roles in the successful delivery of construction and infrastructure projects.



THANK YOU FOR LISTENING!