

HDCPM

Enroll Now 2023/24 Batch

HIGHER DIPLOMA IN

CONSTRUCTION PRODUCTIVITY MANAGEMENT

**Weekend
Programme**

**Duration
1 Year**

**Medium
English**

(Sinhala/Tamil will be used
when required)

**Application Closing Date
27th September 2023**

Applications can be downloaded from the University Website

www.wyb.ac.lk/dclppm/

Action is the foundational key to all success

Focus on being productive instead of busy



Target Group

**Engineering Assistants /
Construction Supervisors /
Technical Officers**

**SLQF Level 4
Comparable to
NVQF Level 6**



**FACULTY OF TECHNOLOGY
WAYAMBA UNIVERSITY OF SRI LANKA**

Contact Us

T.P: 0373138054 / 0373976657

E-mail: dclppm@wyb.ac.lk



Introduction of the Programme

Due to the essential need of the skills development training programmes for the industry practitioners, this Higher Diploma programme has been designed for the construction supervisors / technical officers / Engineering Assistants who directly apply the practices on construction operations. The programme clearly specifies the competencies, knowledge and attitudes required by the construction industry for improving the efficiency, quality, performance and productivity of the workforce.

Implications of the Programme

The HDCPM programme is expected to make an effective contribution for the economic and social development of the country through making provision for a nationally consistent, technical and vocational education and training. It includes effective and innovative practices for the productivity improvement in the industry through proactive education and training strategies. The outcomes of this Higher Diploma programme is expected to be highly contributing to the construction industry sector for upgrading their current practices with the direct concept of productivity and performance improvement.

Why is this Higher Diploma significance for the Sri Lankan construction sector?

The HDCPM is willing to be an ideal programme for the Sri Lankan construction sector. The programme meets the industry needs and expectations, and includes effective and innovative practices for the productivity improvement in the industry through proactive education and training strategies. It clearly specifies the competencies, knowledge and attitudes of the construction industry practitioners. The curriculum of this Higher Diploma programme was systematically developed by the experts through an extensive investigation conducted in the Sri Lankan construction industry with the direct scope of improving the performance and productivity of the construction workforce. The HDCPM includes outcome-based teaching, learning and assessments with relevant quality assurance practices. The academic activities of this programme will be delivered by the university lecturers and qualified engineering experts from the industry. The significance of this academic programme is the inclusion of independent project studies on performance and productivity improvement practices through the applications of work-based training components within a systematic framework.

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Programme Outcomes

Upon successful completion of the training programme, the participant will be a professional employee who manages processes at the middle management level with problem solving capacity in construction related practices. They will be able to:

- Achieve a satisfactory level of proficiency in the English language essential for performing the business and marketing related needs of the industry matters
- Use the mathematical functions for organizing and structuring the methods in the design and analysis process of technological matters
- Use the statistical functions for organizing and structuring the methods in the design and analysis process of technological matters
- Use the financial instruments and accounting techniques across the construction management cycle as well as the business and entrepreneurial practices
- Use ICT tools and applications in various construction tasks for improving the productivity and performance of work operations
- Perform the tasks including site selection, site layout planning, architectural designs and drawings, estimation and material selection within the scope of improving productivity and quality of outputs in the various phases of construction
- Perform the water and sanitary engineering related works considering the demands and challenges of increasing water scarcity, flood risks and environmental pollution
- Use the principles of agricultural science and landscape designs in the irrigation works towards the sustainable development
- Analyse the structural elements using the structural theories and design concepts
- Use geotechnical theories for improving the quality and performance of construction operations
- Use the design procedures and maintenance techniques for the sustainable transportation system
- Perform the reinforcement practices on the labour training exercises considering the project directions, purpose, performance of trainers, training contents, delivery methods, feedback of organizational management and follow-up actions towards the construction productivity and performance improvement

Course Outline

HDCPM 312: Business English for Construction Technologists

HDCPM 323: Mathematical Modelling for Technology

HDCPM 332: Construction Accounting, Finance and Entrepreneurship

HDCPM 343: Design and Technologies in Building Construction

HDCPM 353: Water Resources and Environmental Management

HDCPM 362: Fundamental Landscaping and Irrigation Technologies

HDCPM 412: ICT Tools for Construction Productivity Enhancement

HDCPM 423: Statistics for Technology

HDCPM 433: Structural Analysis and Design Concepts

HDCPM 442: Geotechnical Concepts in Construction

HDCPM 452: Transportation & Highway Maintenance for Technologists

HDCPM 463: Project Study on Performance and Productivity Enhancement

Course Delivery Methods

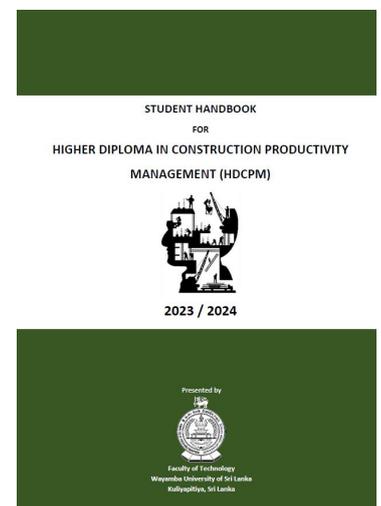
Lectures, Tutorial Classes, Practical Classes, Design Classes, Interactive Learning Sessions, Field Visits, Project-based Assignments (Necessary online facilities will also be used during the course delivery in possible ways.)

Assessments

Continuous Assessment / In-Class Tests: Tutorials, Quizzes, Practical/ Design/ Project-based assignments, Presentations, Project Reports
Semester End Examination: Question paper based on classroom teaching

Venue

Faculty of Technology, Wayamba University of Sri Lanka, Kuliyaipitiya.



Entry Qualifications

Successful completion of 'Diploma in Construction Labour Productivity and Performance Management (DCLPPM)' programme of the Faculty of Technology, Wayamba University of Sri Lanka

or

Equivalent Diploma qualifications (SLQF Level 3 / NVQ Level 5) from a recognized institution

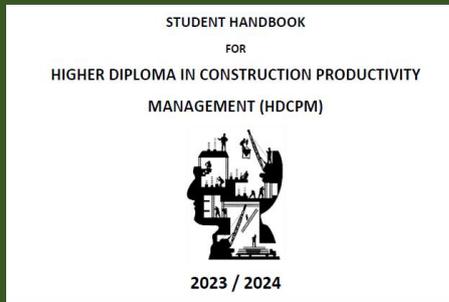
Course Fee

Rs. 120,000.00

[First Instalment: Rs. 75,000.00 (at the course registration / course commencement)]

+

[Second Instalment: Rs. 45,000 (after 3 months from the course commencement)]



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For further information, contact us.

T.P: 0373138054 / 0373976657

E-mail: dclppm@wyb.ac.lk

Mobile:

Sinhala - 0718154002 / 0761254992 /

0718269483 / 0763335182

Tamil - 0776728027 / 0773269184 /

0779610102 / 0772336318



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