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Week 6: Design example for conventional takeoff fixed wing UAV for various mission requirements. Week 7: ... photograph and the score in the final exam with the breakup. It will have the logos of NPTEL and IIT Kanpur. It will be e-verifiable at nptel.ac.in/noc • Only the e-certificate will be made available. Hard copies will not be dispatched.

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Module-4 Pavement Design. Lecture-19 Introduction to Pavement design; Lecture-20 Factors affecting pavement design; Lecture-21 Pavement materials:Soil; Lecture-22 Pavement materials:Aggregates; Lecture-23 Pavement materials:Bitumen; Lecture-24 Bituminous mix design; Lecture-25 Dry mix design; Lecture-26 Marshal mix design; Lecture-27 Flexible ...

NPTEL :: Civil Engineering - Transportation Engineering I

1 Base Plate and Anchor Rod Design JAMES M. FISHER, Ph.D., P.E. Computerized Structural Design, S.C. Milwaukee, Wisconsin and LAWRENCE A. KLOIBER, P.E.

Base Plate and Anchor Rod Design

Example 1 Determine the net ultimate bearing capacity of a mat foundation measuring 45 ft × 30 ft on saturated clay with $c = 1950$ lb/ft², $\phi = 0$, and $e = 6.5$ ft. Solution From equation (10)

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$net(u) = 5.14 \dots 1 + 0.195 \dots 1 + 0.4 \dots$

Module 5 (Lectures 17 to 19) MAT FOUNDATIONS

In addition to the NPTEL MOOC programme, he has been involved in organizing IARCS Instructional Courses for college teachers. He is a member of ACM India's Education Committee. He has contributed lectures on algorithms to the Massively Empowered Classroom (MEC) project of Microsoft Research and the QEEE programme of MHRD.

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The design methodology is based on the latest Indian Standard Code of Practice for general construction (IS 800:2007). The subject covers all the necessary components such as material specifications, connections and elementary design of structural members for designing industrial steel structures.

Design of steel structures - Course - Nptel

Design Step 7 - Design of Substructure Prestressed Concrete Bridge Design Example Task Order DTFH61-02-T-63032 7-1 Design Step 7.1 INTEGRAL ABUTMENT DESIGN General considerations and common practices Integral abutments are used to eliminate expansion joints at the end of a bridge. ...

Design Step 7 - Design of Substructure Prestressed ...

Work System Design deals with the systematic examination of the methods of doing work with an aim of finding the means of effective and efficient use of resources and setting up of standards of performance for the work being carried out. ... Examples. Week 5: Flow Process Charts, Flow ... of India. He has completed three video and one web ...

Work System Design - Course - Nptel

Lecture series on Design of Reinforced Concrete Structures by Prof. N.Dhang, Department of Civil Engineering, IIT Kharagpur. For more details on NPTEL visit ...

Design of Slabs Part - 1 - YouTube

Further, Dr. Das has been offering Programming in C++ and Object-Oriented Analysis and Design in NPTEL-NOC. Both courses are regularly attended by thousands of students. Dr. Das has published over 40 technical papers in international journals in areas of Digital Geometry, Image Processing, Parallel Computing and Knowledge-based Systems.

Programming in C++ - Course - Nptel

4.1. Design of sanitary sewer systems Public sanitary sewers perform two primary functions: ... Example 4.2 A 120 m reach of sewer is to be designed with a flow capacity of 100 L/s. The street elevation at the upper manhole is 90.00 m and the lower manhole is 87.60 m, as

Chapter 4 Design of Sewers - WordPress.com

Lecture 01. Introduction to product design and manufacturing, Dr. Janakarajan Ramkumar - Duration: 26:23. Product Design and Manufacturing - IITK 18,771 views

Lecture 1 - Introduction to DfX

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Nptel Design Example of a Building IITK-GSDMA-EQ26-V3.0 Page 5 1.1. Data of the Example The design data shall be as follows: Live load: 4.0 kN/m² at typical floor : 1.5 kN/m² on terrace Floor finish : 1.0 kN/m² Water proofing : 2.0 kN/m² Terrace finish : 1.0 Page 12/26. Access Free 4 Tower Design

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