



KLS Vishwanathrao Deshpande Institute of Technology

(Accredited by NAAC with "A" Grade)

(Approved by AICTE, New Delhi. Affiliated to VTU, Belagavi)

(Recognized Under Section 2(f) by UGC, New Delhi)

Udyog Vidya Nagar, Haliyal – 581329, Dist.: Uttara Kannada

www.klsvdit.edu.in | principal@klsvdit.edu.in | hodcivil@klsvdit.edu.in

DEPARTMENT OF CIVIL ENGINEERING



CO STATEMENT FOR 2020-2024

21 SCHEME

Semester 1&2

Semester 2 - Elements of Civil Engineering

CO1: Understand fundamental concepts of Elements of Civil Engineering.

CO2: Apply principles of Elements of Civil Engineering to solve engineering problems.

CO3: Analyze systems and components related to Elements of Civil Engineering.

CO4: Evaluate practical engineering situations in Elements of Civil Engineering.

CO5: Design solutions using concepts of Elements of Civil Engineering.

Semester 2 - Engineering Mechanics

CO1: Understand fundamental concepts of Engineering Mechanics.

CO2: Apply principles of Engineering Mechanics to solve engineering problems.

CO3: Analyze systems and components related to Engineering Mechanics.

CO4: Evaluate practical engineering situations in Engineering Mechanics.

CO5: Design solutions using concepts of Engineering Mechanics.

Semester 3

Semester 3 - Building Materials

CO1: Understand fundamental concepts of Building Materials.

CO2: Apply principles of Building Materials to solve engineering problems.

CO3: Analyze systems and components related to Building Materials.

CO4: Evaluate practical engineering situations in Building Materials.

CO5: Design solutions using concepts of Building Materials.

Semester 3 - Fluid Mechanics

CO1: Understand fundamental concepts of Fluid Mechanics.

CO2: Apply principles of Fluid Mechanics to solve engineering problems.

CO3: Analyze systems and components related to Fluid Mechanics.

CO4: Evaluate practical engineering situations in Fluid Mechanics.

CO5: Design solutions using concepts of Fluid Mechanics.

Semester 3 - Surveying

CO1: Understand fundamental concepts of Surveying.

CO2: Apply principles of Surveying to solve engineering problems.

CO3: Analyze systems and components related to Surveying.

CO4: Evaluate practical engineering situations in Surveying.



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C05: Design solutions using concepts of Surveying.

Semester 4

Semester 4 - Structural Analysis I

C01: Understand fundamental concepts of Structural Analysis I.

C02: Apply principles of Structural Analysis I to solve engineering problems.

C03: Analyze systems and components related to Structural Analysis I.

C04: Evaluate practical engineering situations in Structural Analysis I.

C05: Design solutions using concepts of Structural Analysis I.

Semester 4 - Geotechnical Engineering I

C01: Understand fundamental concepts of Geotechnical Engineering I.

C02: Apply principles of Geotechnical Engineering I to solve engineering problems.

C03: Analyze systems and components related to Geotechnical Engineering I.

C04: Evaluate practical engineering situations in Geotechnical Engineering I.

C05: Design solutions using concepts of Geotechnical Engineering I.

Semester 4 - Hydrology

C01: Understand fundamental concepts of Hydrology.

C02: Apply principles of Hydrology to solve engineering problems.

C03: Analyze systems and components related to Hydrology.

C04: Evaluate practical engineering situations in Hydrology.

C05: Design solutions using concepts of Hydrology.

Semester 4 - Concrete Technology

C01: Understand fundamental concepts of Concrete Technology.

C02: Apply principles of Concrete Technology to solve engineering problems.

C03: Analyze systems and components related to Concrete Technology.

C04: Evaluate practical engineering situations in Concrete Technology.

C05: Design solutions using concepts of Concrete Technology.

Semester 5

Semester 5 - Structural Analysis II

C01: Understand fundamental concepts of Structural Analysis II.

C02: Apply principles of Structural Analysis II to solve engineering problems.

C03: Analyze systems and components related to Structural Analysis II.

C04: Evaluate practical engineering situations in Structural Analysis II.

C05: Design solutions using concepts of Structural Analysis II.



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Semester 5 - Geotechnical Engineering II

C01: Understand fundamental concepts of Geotechnical Engineering II.

C02: Apply principles of Geotechnical Engineering II to solve engineering problems.

C03: Analyze systems and components related to Geotechnical Engineering II.

C04: Evaluate practical engineering situations in Geotechnical Engineering II.

C05: Design solutions using concepts of Geotechnical Engineering II.

Semester 5 - Environmental Engineering I

C01: Understand fundamental concepts of Environmental Engineering I.

C02: Apply principles of Environmental Engineering I to solve engineering problems.

C03: Analyze systems and components related to Environmental Engineering I.

C04: Evaluate practical engineering situations in Environmental Engineering I.

C05: Design solutions using concepts of Environmental Engineering I.

Semester 5 - Transportation Engineering I

C01: Understand fundamental concepts of Transportation Engineering I.

C02: Apply principles of Transportation Engineering I to solve engineering problems.

C03: Analyze systems and components related to Transportation Engineering I.

C04: Evaluate practical engineering situations in Transportation Engineering I.

C05: Design solutions using concepts of Transportation Engineering I.

Semester 6

Semester 6 - Design of RCC Structures

C01: Understand fundamental concepts of Design of RCC Structures.

C02: Apply principles of Design of RCC Structures to solve engineering problems.

C03: Analyze systems and components related to Design of RCC Structures.

C04: Evaluate practical engineering situations in Design of RCC Structures.

C05: Design solutions using concepts of Design of RCC Structures.

Semester 6 - Environmental Engineering II

C01: Understand fundamental concepts of Environmental Engineering II.

C02: Apply principles of Environmental Engineering II to solve engineering problems.

C03: Analyze systems and components related to Environmental Engineering II.

C04: Evaluate practical engineering situations in Environmental Engineering II.

C05: Design solutions using concepts of Environmental Engineering II.

Semester 6 - Transportation Engineering II

C01: Understand fundamental concepts of Transportation Engineering II.

C02: Apply principles of Transportation Engineering II to solve engineering problems.



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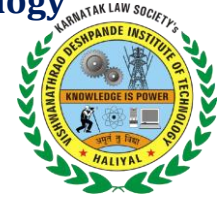
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C03: Analyze systems and components related to Transportation Engineering II.

C04: Evaluate practical engineering situations in Transportation Engineering II.

C05: Design solutions using concepts of Transportation Engineering II.

Semester 6 - Construction Management

C01: Understand fundamental concepts of Construction Management.

C02: Apply principles of Construction Management to solve engineering problems.

C03: Analyze systems and components related to Construction Management.

C04: Evaluate practical engineering situations in Construction Management.

C05: Design solutions using concepts of Construction Management.

Semester 7

Semester 7 - Design of Steel Structures

C01: Understand fundamental concepts of Design of Steel Structures.

C02: Apply principles of Design of Steel Structures to solve engineering problems.

C03: Analyze systems and components related to Design of Steel Structures.

C04: Evaluate practical engineering situations in Design of Steel Structures.

C05: Design solutions using concepts of Design of Steel Structures.

Semester 7 - Irrigation Engineering

C01: Understand fundamental concepts of Irrigation Engineering.

C02: Apply principles of Irrigation Engineering to solve engineering problems.

C03: Analyze systems and components related to Irrigation Engineering.

C04: Evaluate practical engineering situations in Irrigation Engineering.

C05: Design solutions using concepts of Irrigation Engineering.

Semester 7 - Advanced Foundation Engineering

C01: Understand fundamental concepts of Advanced Foundation Engineering.

C02: Apply principles of Advanced Foundation Engineering to solve engineering problems.

C03: Analyze systems and components related to Advanced Foundation Engineering.

C04: Evaluate practical engineering situations in Advanced Foundation Engineering.

C05: Design solutions using concepts of Advanced Foundation Engineering.

Semester 7 - Elective I

C01: Understand fundamental concepts of Elective I.

C02: Apply principles of Elective I to solve engineering problems.

C03: Analyze systems and components related to Elective I.

C04: Evaluate practical engineering situations in Elective I.

C05: Design solutions using concepts of Elective I.



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Semester 8

Semester 8 - Project Work

C01: Understand fundamental concepts of Project Work.

C02: Apply principles of Project Work to solve engineering problems.

C03: Analyze systems and components related to Project Work.

C04: Evaluate practical engineering situations in Project Work.

C05: Design solutions using concepts of Project Work.

Semester 8 - Seminar

C01: Understand fundamental concepts of Seminar.

C02: Apply principles of Seminar to solve engineering problems.

C03: Analyze systems and components related to Seminar.

C04: Evaluate practical engineering situations in Seminar.

C05: Design solutions using concepts of Seminar.

Semester 8 - Elective II

C01: Understand fundamental concepts of Elective II.

C02: Apply principles of Elective II to solve engineering problems.

C03: Analyze systems and components related to Elective II.

C04: Evaluate practical engineering situations in Elective II.

C05: Design solutions using concepts of Elective II.