

V.S.B. ENGINEERING COLLEGE, KARUR
Department of Civil Engineering
Video Link

Class / Semester: III year / V Semester B.E. – Civil Engineering

Name of Subject: Design of Reinforced Cement Concrete Structures

Sl.No	Description	Video link
1	Design of doubly reinforced beam flexure	https://youtu.be/WaAWYM6HDWs
2	Different methods of design of reinforced concrete structures	https://youtu.be/ba3mZhOpsTM
3	Design of Slabs	https://youtu.be/PDJPcQq3PZE
4	Design of Columns	https://youtu.be/wJWt0dcgafs
5	Design of Footings	https://youtu.be/tKGeo4IRQho

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Name of Subject: Structural Analysis I

Sl.No	Description	Video link
1	Review of Basic Structural Analysis I	https://youtu.be/s4CN6aVKhPo
2	Slope Deflection Method	https://youtu.be/QelvIhtVpeE
3	Moment Distribution Method	https://youtu.be/qc8PdlrpmX0
4	Basic Matrix Concepts	https://youtu.be/w8LTBWNV-fo
5	Strain Energy Method (Castigliano's Theorem)	https://youtu.be/WigWnQuj98k

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Name of Subject: Water Supply Engineering

Sl.No	Description	Video link
1	Sources and types of waste Water	https://youtu.be/t1xu2A8ItNE
2	Waste water characteristics- Quality parameters	https://youtu.be/z2l3_RSucqg
3	Pollutants in waste water	https://youtu.be/bBt-BH79hbk
4	Waste water Management	https://youtu.be/1FBeWViWnD8
5	Introduction to sludge Management	https://youtu.be/VJRymhRefX0

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Class / Semester: III year / V Semester B.E. – Civil Engineering
Name of Subject: Foundation Engineering

Sl.No	Description	Video link
1	Introduction to Foundation	https://youtu.be/FVvmL2hUjH4
2	Design of shallow foundation	https://youtu.be/FVvmL2hUjH4
3	Design of raft foundation	https://youtu.be/KrFPZpMuulU
4	Pile foundation – load carrying capacity	https://youtu.be/4U8NuA10Gzs
5	Design of Retaining wall	https://youtu.be/mUWCnANvJdE

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Class / Semester: III year / V Semester B.E. – Civil Engineering
Name of Subject: Geographic Information System

Sl.No	Description	Video link
1	Introduction to GIS	https://www.youtube.com/watch?v=83Sgn4IfCCA
2	Components of GIS	https://www.youtube.com/watch?v=r5Dv6TTUmAs
3	Raster Data	https://www.youtube.com/watch?v=ptAtnc-U20A
4	Raster Data Vs Vector Data	https://www.youtube.com/watch?v=Dwho7aF4yHo
5	Data Quality	https://www.youtube.com/watch?v=Dwho7aF4yHo

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Class / Semester: III year / V Semester B.E. – Civil Engineering

Name of Subject: Environment and Agriculture

Name

Sl.No	Description	Video link
1	Organic Farming concepts and principles	https://youtu.be/BE8Gx0ku5CI
2	Introduction to watershed management	https://youtu.be/wkPu4LwRKro
3	Ecology and Environment	https://youtu.be/-j1rjB_-DhI
4	Irrigation and Irrigation needs	https://youtu.be/N5V_3WdDvlM
5	Crop rotation principle	https://youtu.be/2coxBlazLCw