



JSS MAHAVIDYAPEETHA

# JSS ACADEMY OF TECHNICAL EDUCATION

Affiliated to Visvesvaraya Technological University, Belagavi, Karnataka, INDIA  
Approved by All India Council for Technical Education, New Delhi

## DEPARTMENT OF CIVIL ENGINEERING

### DETAILS OF CONTENT BEYOND SYLLABUS FOR AY 2022-23

SI No	Name of the Faculty	Course with code	GAP/CBS	Action taken	Date-Month-Year	Resource Person with designation	% of students	Relevance to POs, PSOs
1	Dr. Santhosh. B.S	18CV53	Technical tour to M/s Ultratech Cement Manufacturing unit and Bennethore dam, Gulbarga	Industrial tour	8th Decem ber to 10th Decem ber 2022	Dr Santhosh B S, professor & Head	98%	PO2, PO3, PO4, PO*
2	Dr. Sanjay Shekhar N C	18CV63	Integrated Water Resources Management	Technical Talk	16-05-2022	Dr. Sanjay Shekar N C Associate Professor Dept. of Civil Engg.	95%	PO4, PO5, PO6, PO7, PSO3,
		18CV734	Sustainable Ground Water Management	Technical Talk	20-12-2022	Dr. Sanjay Shekar N C Associate Professor Dept. of Civil Engg.	92%	PO4, PO5, PO6, PO7, PSO3,
3	Dr. Hemalatha H. N	18CV55	Design and operation of Sewage Treatment Plant units	Technical talk and Visit to Rajarajes wari Medical College and Hospital Sewage Treatment Plant (STP)	19-12-2022	Mr. Harsh G, Proprietor, Encinture Engineering and Consultants	99%	PO1, PO2, PO3, PO4, PO6, PO7, PSO1, PSO2, PSO3
		18CV732	Odour pollution and its control	Lecture (Internal)	14-12-2022	Dr. Hemalatha H. N. Associate Professor Dept. of Civil Engg.	97%	PO1, PO2, PSO1, PSO3
4	Dr. Abdul Razak. B.H	18CV61	Composite construction	Lecture (Internal)	15-06-2023	Dr.Abdul Razak B H., Assistant Professor, Dept.of Civil Engineering	90%	PO4,PO5,P O6,PO7,PO 9,PO12,PS O3
		18CV81	Advances in prestressing technologies	Lecture (Internal)	09-05-2023	Dr.Abdul Razak B H., Assistant Professor, Dept.of Civil	100%	PO4,PO5,P O6,PO7,PO 9,PO12,PS O3

						Engineering		
		18CV72	RCC & Steel Structures in Yettinahole Irrigation Project (Industrial Visit)	Industrial Visit	17.12.2022	Dr.Abdul Razak B H., Assistant Professor, Dept.of Civil Engineering	90%	PO6,PO9, PO10, PO11
5	Dr. Shashikumara. S.R	18CV71	Identification of importance of estimation of building and its components	Activity based assignment	31-12-2022	Dr.Shashikumara S R., Assistant Professor, Dept.of Civil Engineering	100%	PO1, PO2,PO3,PSO1,PSO2, PSO3
6	Rashmi. S. M	18CV56	1 <sup>st</sup> and 2 <sup>nd</sup> 20 year road development plan	Technical talk	21/01/2023	Rashmi SM., Assistant Professor, Dept.of Civil Engineering	100%	PO1, PO2,PO3,PSO1,PSO2, PSO3
		18CV645	History of Indian Railways	Technical talk	08-07-2023	Rashmi SM., Assistant Professor, Dept.of Civil Engineering	100%	PO1, PO2,PO3,PO4,PSO1,PSO2, PSO3
7	Pramukh. N	18CV745	Urban Transport Planning	Lecture (Internal)	31-12-2022	Pramukh N, Assistant Professor, Dept.of Civil Engineering	100%	PO1,PO2, PO6, PSO1, PSO2
		18CV825	Pavement Design	Lecture (Internal)	09-05-2023	Pramukh N, Assistant Professor, Dept.of Civil Engineering	100%	PO1,PO2, PO6, PSO1, PSO2
8	Apoorva S	18CV52	Analysis of beams and frames using Etabs	Demonstration (Internal)	17-0120-2023	Apoorva S Assistant Professor, Dept.of Civil Engineering	67%	PO1,PO2,PO3,PO5, PSO1
		18CV81	Advances in prestressing technologies	Lecture (Internal)	09-05-2023	Apoorva S., Assistant Professor, Dept.of Civil Engineering	97%	PO4,PO5,PO6,PO7,PO9,PO12,PSO3
9	Basavaraj Akki	18CV745	Different modes of Urban transport and their ranking based on user and planner's view.	Lecture (Internal)	22/09/2022	Mr. Basavaraj Akki, Assistant Professor, Dept.of Civil Engineering.	100%	PO1, PO2, PO6, PSO1, PSO2
		18CV62	Construction of Pile Foundations	Lecture (Internal)	08/07/2023	Mr. Basavaraj Akki, Assistant Professor, Dept.of Civil Engineering.	90%	PO1, PO2, PO3, PSO1, PSO2, PSO3



JSS MAHAVIDYAPEETHA

## JSS ACADEMY OF TECHNICAL EDUCATION

Affiliated to Visvesvaraya Technological University, Belagavi, Karnataka, INDIA

Approved by All India Council for Technical Education, New Delhi

### DEPARTMENT OF CIVIL ENGINEERING

### DETAILS OF CONTENT BEYOND SYLLABUS FOR AY 2021-22

SI No	Name of the Faculty	Course with code	CBS	Action taken	Date-Month - Year	Resource Person with designation	% of students	Relevance to POs, PSOs
1	Dr. Hemalatha H N	Municipal Waste Water Engineering – 18CV55	Design of Sludge digestion tanks	Technical talk	29/11/2021	Dr. Hemalatha H N Associate Professor, Civil Department, JSSATE	100	CO5, PO1, PO2, PO3, PSO1, PSO2
2	Dr. Hemalatha H N	Air Pollution And Control – 18CV732	Odour pollution and its control	Technical talk	30/11/2021	Dr. Hemalatha H N Associate Professor, Civil Department, JSSATE	100	CO2, PO1, PO2, PSO1, PSO3
3	Abhishek R	Construction Management and Entrepreneurship 18CV51	Future Technologies and Employability in Built Environment	Webinar	18/10/2021	Prof. Anupam Saxena Mrics, Asso. Dean & Director, School of Real Estate & Infrastructure, RICS SBE, Noida.	100	PO9, PO10, PO11, PSO2
4	Dr. Sanjay Shekar N C	Hydrology and Irrigation Engineering- 17CV73	Integrated Water Resources Management	Technical talk	06/08/2021	Dr. Sanjay Shekar N C Associate Professor, Civil Department, JSSATE	100	PO4, PO5, PO6, PO7, PSO3
5	Dr. Sanjay Shekar N C	Ground Water Hydrology- 17CV742	Sustainable Ground Water Management	Technical talk	20/12/2021	Dr. Sanjay Shekar N C Associate Professor, Civil Department, JSSATE	100	PO4, PO5, PO6, PO7, PSO3
6	Abdul Razak B H	Design of RCC and Steel structures - 18CV72	Composite construction	Technical Talk	25/01/2022	Dr Abdul Razak B H, Assistant Professor, Department of Civil Engineering, JSSATEB	100%	PO1, PO2, PO3, PO4, PO7, PO8, PO9, PO10, PSO1, PSO3

7	Dr. Hemalatha H N	Water Supply and Treatment Engineering – 18CV46	Methods of laying of water supply lines	Technical Talk	13/07/2022	Dr. Hemalatha H N Associate Professor, Civil Department, JSSATE	100%	CO4, PO2, PO3, PSO1, PSO2
8	Dr. Abdul Razak B H	Design of Steel Structural Elements - 18CV61	Evaluation of Structure-Life Cycle Cost Analysis	Webinar	08/06/2022	Mr. A.K. Samanta, GM-Mechanical-INS DAG	100%	PO2, PO8, PO12
9	Mr. Basavaraj Akki	Applied Geotechnical Engineering - 18CV62	Construction of Pile Foundations	Technical Talk	11/07/2022	Mr. Basavaraj Akki, Asst. Professor	100%	PO1, PO2, PO3, PSO1, PSO2, PSO3
10	Rashmi SM	Railways, Harbors, Tunneling and Airports 18CV645	Construction of Railway tracks using Modern equipments	Technical Talk	02/07/2022	Rashmi SM	100%	PO5, PO6, PO7, PO9, PO10, PO11, PSO1, PSO2, PSO3



JSS MAHAVIDYAPEETHA

## JSS ACADEMY OF TECHNICAL EDUCATION

Affiliated to Visvesvaraya Technological University, Belagavi, Karnataka, INDIA

Approved by All India Council for Technical Education, New Delhi

### DEPARTMENT OF CIVIL ENGINEERING

#### DETAILS OF CONTENT BEYOND SYLLABUS FOR AY 2020-21

SI No	Name of the Faculty	Course with code	GAP/CBS	Action taken	Date-Month-Year	Resource Person with designation	% of students	Relevance to POs, PSOs
1	Dr.Abdul Razak B H	Design of RCC and Steel Structures-18CV72	Durability based design of marine structures	Webinar	19/11/2020	Dr. Radhakrishna Pillai, Associate Professor, IIT, Madras	100%	PO1,PO3,PO4,PO7,PO8,PO9,PO10
2	Dr.Vivek.S	Basic Geotechnical Engineering-18CV54	Determination of Soil Shear parameters in Laboratory	Practical conduction in Laboratory	16/11/2020	Dr.Vivek.S, Assistant Professor, Civil Department, JSSATE	90%	PO1,PO2,PSO1,PSO2
3	Prof. Basavaraj Akki	Basic Surveying - 18CV35	Tacheometric survey	Technical Talk	11/12/2020	Prof. Basavaraj Akki, Prof. Archana J, Assistant Professor, Civil Department, JSSATE - Bengaluru.	100%	PO1, PO2, PO3, PSO1, PSO2
4	Prof. Archana J	Basic Surveying - 18CV35	Tacheometric survey	Technical Talk	11/12/2020	Prof. Basavaraj Akki, Prof. Archana J, Assistant Professor, Civil Department, JSSATE - Bengaluru.	100%	PO1, PO2, PO3, PSO1, PSO2
5	Prof. Basavaraj Akki	Applied Geotechnical Engineering	Construction of Pile Foundations	Technical Talk	20/07/2021	Prof. Basavaraj Akki, Assistant Professor, Civil Department, JSSATE - Bengaluru.	100%	PO1, PO2, PO3, PSO1, PSO2, PSO3
6	Prof Rashmi SM	Pavement Design - 17CV833	Functional & Structural analysis of Pavement	Technical talk	17/07/2021	Prof. Rashmi SMi, Assistant Professor, Civil Department,	100%	PO1, PO2, PO3, PSO1, PSO2,

						JSSATE - Bengaluru.		PSO3
7	Prof Rashmi SM	Railways, Harbors, Tunnel & Airport - 18CV645	History of Indian Railways	Technical talk	26/05/2020	Prof. Rashmi SMi, Assistant Professor, Civil Department, JSSATE - Bengaluru.	100%	PO1, PO2, PO3, PSO1, PSO2, PSO3
8	Prof. Harshitha M N	Advanced Surveying-	Modern Surveying Instruments	Technical talk	14/07/2021	Prof. Harshitha M N, Assistant Professor, Civil Department, JSSATE - Bengaluru	100%	PO2, PO3, PO5, PSO1, PSO2
9	Prof. Archana J	Basic Building Materials	"Use of construction and demolition waste"	Technical talk	14/12/2020	Prof. Archana J, Assistant Professor, Civil Department, JSSATE - Bengaluru	100%	PO1, PO2, PO3, PSO1, PSO2,
10	Prof Apoorva S	Analysis of Indeterminate Structures	Learning from Structural Failure	Webinar	23/10/2021	Prof. Aravind Galagali, Ministry of water resource, Govt of India.	90%	PO1, PO2, PO3, PO4
11	Dr. Shashikumara S R	Quantity Surveying and Contracts Management - 17CV81	Estimation of Building	Unit Test	26/04/2021	Dr. Shashikumara S R Assistant Professor, Civil Department, JSSATE - Bengaluru	100%	PO1, PO2, PO3, PSO1, PSO2, PSO3
12	Dr. Hemalatha H. N.	Municipal and Industrial Waste Water Engineering (18CV55/C305 and 15CV71/C401)	Demonstration of Activated Sludge Process	Technical Talk	14/10/2020	Dr. Hemalatha H. N. Assistant Professor, Civil Department, JSSATE - Bengaluru	100%	PO1, PO2, PO3, PO4, PO6, PO7, PSO1, PSO2, PSO3
13	Dr. Hemalatha H. N.	Water Supply and Treatment Engineering (18CV46/C215)	Design of Water Treatment Plant Units	Technical Talk	03/06/2021	Dr. Hemalatha H. N. Assistant Professor, Civil Department, JSSATE - Bengaluru	100%	PO1, PO2, PO3, PO4, PO6, PO7, PO8, PSO1, PSO2, PSO3

14	Prof. Basavaraj Akki	Water Supply and Treatment Engineering (18CV46/C215)	Design of Water Treatment Plant Units	Technical Talk	03/06/2021	Dr. Hemalatha H. N. Assistant Professor, Civil Department, JSSATE - Bengaluru	100%	PO1, PO2, PO3, PO4, PO6, PO7, PO8
15	Dr. Shashikumara S R	Fluid Mechanics - 18CV33	Numerical Problem Solving	Assignment	20/01/2021	Dr. Shashikumara S R Assistant Professor, Civil Department, JSSATE - Bengaluru	100%	PO1, PO2, PO3, PO4, PSO1, PSO2
16	Dr. Sanjay Shekar N C	Hydrology and Irrigation Engineering- 17CV73	Integrated Water Resources Management	Technical talk	25/09/2020	Dr. Sanjay Shekar N C Associate Professor, Civil Department, JSSATE	100	PO4, PO5, PO6, PO7, PSO3
17	Dr. Sanjay Shekar N C	Ground Water Hydrology- 17CV742	Sustainable Ground Water Management	Technical talk	24/9/2020	Dr. Sanjay Shekar N C Associate Professor, Civil Department, JSSATE	100	PO4, PO5, PO6, PO7, PSO3
18	Prof. Pramukh N	Concrete Technology	Grades of Concrete and Application of different grades	Technical Talk	13/04/2021	Prof. Pramukh N Assistant Professor, Civil Department, JSSATE - Bengaluru	100%	PO1, PO2, PO3, PO4, PO8, PSO1, PSO2, PSO3
19	Dr Santhosh B S	Concrete Technology (18CV44)	Analysis and Design of Mix Proportion & Analyzing the Fresh and Hardened Properties of a prepared Concrete Mix using IS-Codes	Mini Project	23/05/2021	Dr Santhosh B S, Associate Professor, Department of Civil Engineering, JSSATEB	100%	PO2, PO3, PO4, PO8, PSO1, PSO2, PSO3

**DEPARTMENT OF CIVIL ENGINEERING****DETAILS OF CONTENT BEYOND SYLLABUS FOR AY 2019-20**

Sl No	Name of the Faculty	Course with code	CBS	Action taken	Date-Month-Year	Resource Person with designation	% of students	Relevance to POs, PSOs
1	Hemalatha H N	Municipal and Industrial Waste Water Engineering (15CV71)	Nanotechnology in Civil and Environmental Applications	Guest Lecture	06/11/2019	Dr. Dinesh Rangappa, Professor & Chairman, Department of Nanotechnology VTU Center for Postgraduate Studies, Bengaluru Region, Muddenahalli, Chikkaballapur	91	PO1,PO2, PO3, PO6, PO7, PSO1, PSO2, PSO3
2	Basavaraj Akki	Applied Geotechnical Engineering (17CV53)	To know the fundamentals of construction of pile foundations.	Internal Seminar	19/11/2019	Basavaraj Akki	95	PO1, PO2, PO3 PSO1, PSO2, PSO3
3	Basavaraj Akki	Air Pollution and Control (17CV551)	Bhutan – Carbon negative country	Student Seminar & Report submission	08/11/2019	Basavaraj Akki	100	PO8, PO12, PSO2, PSO3
4	Abdul Razak B H	Design of RCC and Steel Structures (15CV72)	Composite Construction	Expert talk	19/10/2019	Er.Venkatesh.K.V , Senior Structural Engineer, TRC Engineering(I) Pvt.ltd., Bangalore	95	PO1,PO2, PO3,PO4, PO7,PO8, PO9,PO10 , PSO1, PSO3
5	Shashi Kumara S R	Fluid Mechanics (18CV33)	Different forces acting on dam section	Field visit to Markonalli Dam	28/08/2019	Shashikumar S R Assistant Professor, Department of Civil Engineering, JSSATE, Bangalore	100	PO1,PO2, PO3,PO4, PO6,PSO1 , PSO3
6	Shashi Kumara S	Rehabilitation and	Contemporary repair	Expert talk	16/10/2019	Sunil R K C.E.O,	100	PO1, PO2, PO3, PO4,



	R	Retrofitting of Structures (15CV753)	materials			M/S Design Tree Service Consultants Pvt. Ltd., Bangalore		PO6, PSO1, PSO2, PSO3
7	Abhishek R	Hydrology and Irrigation Engineering (17CV73)	Salient Features of Yettinahole Project	Expert talk	16/10/2019	Er. Surendra G.B, Deputy Chief Engineer, Yettinahole Project, Visvesvaraya Jala Nigam Ltd, Government of Karnataka, Tumkur	100	PO1, PO2, PO3, PSO1
8	Pramukh N	Urban Transport Planning (17CV751)	Different modes of Urban transport and their ranking based on user and planners view	Report Submission	10/09/2019	Pramukh N	100	PO1, PSO1, PSO2
9	Dr Santhosh B S	Design of RC Structural Elements (17CV51)	Analysis and design of RC Structural element using Staad Pro Software	Workshop	30/11/2019	Mr Shashi Kumar C S, Principal Consultant, M & J Consultant	68	PO1, PO2, PO3, PO8, PSO1, PSO2, PSO3
10	Dr santhosh B S	Design of RC Structural Elements (17CV51)	Visit to M/s JSW Cements Manufacturing Unit, Bellary	Industrial Visit	15/11/2019 to 17/11/2019	Dr Santhosh B S	90	PO1, PO2, PO3, PO8, PSO1, PSO2, PSO3
11	Harshitha M N	Basic Surveying (18CV35)	Errors, Mistakes and precautions in Levelling	Internal Lecture	23/09/2019	Harshitha M N	98	PO1, PO2, PO3, PSO1, PSO2
12	Rashmi S.M	Traffic Engineering (17CV561)	Analysis of road accidents	Internal Lecture	28/11/2019	Rashmi S.M	90	PO1, PO2, PO3, PSO1, PSO2, PSO3
13	Rashmi S.M	Railways, Harbors, Tunneling and Airports (17CV552)	Visual aids - Airport	Internal Lecture	18/11/2019	Rashmi S.M	100	PO 1, PO 2, PO 3, PO 4, PSO1, PSO 2, PSO3
14	Apoorva S	Engineering Geology	Application of Remote	Internal Lecture	20/11/2019	Apoorva S	95	PO1, PO3

		(18CV36)	sensing and GPS in civil engineering field					
15	Shashi Kumara S R	Fluid Mechanics (18CV33)	Feature of River Valley Project	Field visit to Markonalli Dam	28/08/2019	Shashi Kumara S R,	100	PO1, PO6, PO7, PSO1, PSO2, PSO3
16	Dr Santhosh B S	Design of RC Structural Element (17CV51)	To Understand the Manufacturing Process of Cement	Industrial Visit	15-11-2019 to 17-11-2019	Dr Santhosh B S	90	PO1, PO2, PO3, PO8, PSO1, PSO2, PSO3

