

**JSS ACADEMY OF TECHNICAL EDUCATION**

Affiliated to Visvesvaraya Technological University, Belagavi, Karnataka, INDIA

Approved by All India Council for Technical Education, New Delhi

UG programs accredited by NBA: CIVIL, CSE, ECE, E&IE, ISE, IEM & MECHANICAL ENGG.

DEPARTMENT OF CIVIL ENGINEERING**Innovation in Teaching & Learning**

ACADEMIC YEAR 2022-23					
SI No	Faculty Name	Course / sem	Subject & Code	Innovative / Novel Approach Practiced (Brief Note)	Learning Style
1	Dr.H N Hemalatha	5th Sem	Municipal Wastewater Engineering (18CV55)	Technical Visit to Rajarajeswari Medical College and Hospital Sewage Treatment Plant (STP)	Technical Visit
2	Dr.Sanjay Shekhar	7th Sem	Ground Water Hydraulics - 18CV734	Literature review for identifying the problem in Groundwater	Technical talk
3	Basavaraj Akki	7th Sem	Urban Transport Planning- 18CV745	Different Modes of "Urban Transport and Their Ranking"	Technical talk
4	Abhishek R	5th Sem th Sem	Construction Management and Entrepreneurship-18CV51	Vedio demonstartion	e-learning

ACADEMIC YEAR 2021-22					
SI No	Faculty Name	Course / sem	Subject & Code	Innovative / Novel Approach Practiced (Brief Note)	Learning Style
1	Dr.B S Santhosh	5th Sem	Design of RC Structural Elements (18CV53)	Cement Manufacturing Industries in India, Steel Manufacturing Industries in India and Design of Residential Building using IS Codes	Mini Project
2	Dr.H N Hemalatha	7th Sem	Water supply and treatment engineering - 18CV46	Technical talk on Design of sludge digestion tank	Technical talk
3	Dr.Sanjay Shekhar	7th Sem	Ground Water Hydraulics - 18CV734	Literature review for identifying the problem in Groundwater	Technical talk
4	Dr.Abdul Razak B H	7th Sem	Design of RCC and Steel Structures-18CV72	Video demonstration on Combined Footing Construction	Technical talk
5	Dr.Shashi	3rd	Fluid Mechanics -	Online assignment to solve the theory and numerical exapmples	e-

	Kumara S R	Sem	18CV33		Assignment
		7th Sem	Quantity Surveying and Contract Management - 18CV71	Application of MS Excel and AutoCAD in the calculation of building quantities	e-Assignment
8	Harshirtha M N	3rd Sem	Basic Surveying- 18CV35	Literature review on leveling	Mini Project
9	Pramukh N	7th Sem	Urban Transport Planning-18CV745	Different Modes of Urban Transport and Their Ranking”	Technical talk
10	Apoorva s	5th Sem	Analysis of Indeterminate Structures- 18CV52	Demonstration of analysis of beams and frames in E-tabs	Webinar
11	Basavaraj Akki	7th Sem	Urban Transport Planning-18CV745	Different Modes of Urban Transport and Their Ranking”	Technical talk
1	Dr.B S Santhosh	4th Sem	Concrete Technology- 18CV44	Determining the Characterstic Behaviour of Concrete ingredients and Design of Mix Proportion	Mini Project
2	Dr.H N Hemalatha	4th Sem	Water Supply and Treatment Engineering - 18CV46	Methods of laying of water supply lines	Technical talk
3	Dr.Sanjay Shekhar	6th Sem	Hydrology and Irrigation Engineering- 18CV63	Literature review for identifying the problem in Hydrology	Technical talk
4	Dr.Abdul Razak B H	6th Sem	Design of Steel Structural Elements- 18CV61	Analysis & Design of Steel Structure Using STAAD Pro Software	Webinar
6	Rashmi S M	6th Sem	Railways, Harbors, Tunneling and Airports - 18V645	Presentation by students on various concepts	Presentation
9	Pramukh N	8th Sem	Pavement Deisgn- 18CV825	Failures in Flexible Pavement	Field Activity
10	Apoorva s	6th Sem	Design of Steel Structural Elements- 18CV61	Presentation on defects of bolted and welded connection	Technical talk
11	Basavaraj Akki	6th Sem	Applied Geotechnical Engineering - 18CV62	Webinar on “Stability Analysis of Gravity Dam using STAAD.Pro”	Webinar

ACADEMIC YEAR 2020-21					
SI No	Faculty Name	Course / sem	Subject & Code	Innovative / Novel Approach Practiced (Brief Note)	Learning Style
1	Dr.B S Santhosh	5th Sem	Design of RC Structural Elements (18CV53)	Design of Residential Building using IS Codes	Mini Project
2	Dr.H N Hemalatha	7th Sem	Municipal Wastewater Engineering - 18CV55	Demonstration of Activated Sludge Process	Technical talk
3	Dr.Sanjay Shekhar	7th Sem	Ground Water Hydraulics - 18CV734	Literature review for identifying the problem in Groundwater	Technical talk
4	Dr.Abdul Razak B H	7th Sem	Design of RCC and Steel Structures-17CV72	Video demonstration of Retaining Walls-Types, Forces, Failure and Reinforcement	Technical talk
5	Dr.Shashi Kumara S R	3rd Sem	Fluid Mechanics - 18CV33	Online Assignment on solving numerical examples	e-Assignment
6	Rashmi S M	5th Sem	Highway Engineering - 17CV63	Vedio demonstartion	e- learning
7	Abhishek R	5th Sem	Construction Management and Enrepreneurship-18CV51	Vedio demonstartion	e- learning
8	Harshirtha M N	3rd Sem	Strength of Materials-18CV32	Analysis of Indeterminate Structures	Technical talk
9	Pramukh N	5th Sem	HIGHWAY ENGINEERING-18CV56	Different types of Road pattern	Technical talk
10	Apoorva s	5th Sem	Analysis of Indeterminate Structures- 18CV52	Demonstration of analysis of beams and frames in E-tabs	Technical Talk
11	Basavaraj Akki	3rd Sem	Basic Surveying - 18CV35	"Tacheometric survey"	Technical Talk
13	Dr. P. Nagabhushana	3rd Sem	Engineering Geology (18CV36)	Black Board, Power point presentation, NPTEL Videos, Subjected Related Videos with link, Field visit, Industry Interaction, Experts Talk	
14	Dr.B S Santhosh	4th Sem	Concrete Technology-18CV44	Design of Concrete Mix proportion Using IS Codes	Mini Project
15	Dr.H N Hemalatha	4th Sem	Water Supply and Treatment Engineering - 18CV46	Design of Water Treatment Plant Units	Technical talk
16	Dr.Sanjay Shekhar	5th Sem	Hydrology and Irrigation Engineering- 18CV63	Literature review for identifying the problem in Hydrology	Technical talk
17	Dr.Abdul Razak B H	6th Sem	Design of Steel Structural Elements- 18CV61	Video presentation of different bolted connections	Technical talk

18	Dr.Shashi Kumara S R	4th Sem	Applied Hydraulics - 18CV43	Online assignment on numerical problem solving	e- Assignment
19		8th Sem	Quantity Suveying and Concract Management - 17CV81	Online Unit Test	e- Test
20	Rashmi S M	6th Sem	Railways, Harbors, Tunneling and Airports - 18V645	Video demonstartion	e- learning
21	Harshirtha M N	4th Sem		Advanced Surveying- 18CV45	Modern Surveying Instruments
22	Pramukh N	4th Sem	CONCRETE TECHNOLOGY- 18CV44	Soundness test on Cement and Flow table test on Concrete	Lab Practical Conduction
23	Apoorva s	6th Sem	Design of Steel Structural Elements- 18CV61	Presentation on defects of bolted and welded connection	Technical talk
24	Basavaraj Akki	6th sem	Applied Geotechnical Engineering - 18CV62	Technical talk on Construction of Pile Foundations	Technical talk
25		4th Sem A section	Water Supply and Treatment Engineering - 18CV46	Online Assignment through Google Form containing MCQ's	e- Assignment

ACADEMIC YEAR 2019-20

SI No	Faculty Name	Course / sem	Subject & Code	Innovative / Novel Approach Practiced (Brief Note)	Learning Style
1	Dr.B S Santhosh	5th Sem	Design of RC Structural Element	Industrial Visit to JSW Cement Manufacturing Unit, Tunga badra Dam and Hampi	Industrial Visit
2	Dr.H N Hemalatha	7th Sem	Municipal and Industrial Wastewater Engineering - 15CV71	Technical seminar on Nanotechnology in civil and environmental applications	Technical Seminar
3	Dr.Abdul Razak B H	7th Sem	Design of RCC and Steel Structures-15CV72	Video demonstration of Bolted & Welded Connections in Roof Trusses	Technical talk
4	Dr.Shashi Kumara S R	3rd Sem	Fluid Mechanics - 18CV33	Industrial Vist to Markonalli Dam	Industrial Visit
5	Abhishek R	7th sem	Hydrology and Irrigation Engineering (17CV73)	Salient Features of Yettinahole Project/	Technical talk
6	Rashmi S M	5th sem	Traffic Engineering - 15CV561	Traffic survey in field	Field visit
7	Harshirtha M	3rd Sem	Basic Surveying- 18CV35	Errors, Mistakes and precaution in leveling	Technical

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8	Pramukh N	7th sem	Urban Transport Planning-15CV751	Different Modes of Urban Transport and Their Ranking” based on their practical experience as part of field activity.	Practical Field Experience
9	Apoorva s	3rd sem	Engineering Geology 18CV36		Activity based Learning
10	Basavaraj Akki	5th sem	Air Pollution & Control -17CV551	Technical talk on Global Episodes of Air Pollution Disasters	Technical talk
11	Basavaraj Akki	5th sem	Applied Geotechnical Engineering - 17CV53	Technical talk on Construction of Pile Foundations	Technical talk
12	Dr.B S Santhosh	4th Sem	Concrete Technology-18CV44	Analysis And Design of Concrete Mix , Analysis of Fresh and Hardened properties of Concrete	Mini Project
13	Dr.Sanjay Shekhar	4th Sem	Fluid Mechanics Laboratory - 17CVL47	Virtual Laboratory - A MHRD Govt of india Initiative	Virtual Lab
14	Dr.Abdul Razak B H	4th Sem	Applied Hydraulics-18CV43	Working of Francis turbine	Video
15	Rashmi S M	8th Sem	Pavement Design - 15CV833	Design of different types of pavements with practical data	Activity based assignment
16	Harshirtha M N	4th Sem	Advanced Surveying- 18CV45	Modern Surveying Instruments	Technical talk
17	Pramukh N	6th Sem	HIGHWAY ENGINEERING	Different types of Road pattern	Technical talk