



|| Jai Sri Gurudev ||  
**Adichunchanagiri Shikshana Trust (R)**  
**BGS INSTITUTE OF TECHNOLOGY**  
**Department of Civil Engineering**

**CO-PO & CO-PSO Mapping (15 Scheme)**

Programme	Course Code	Course Name	Credits	L-T-P	Assessment		Exam Duration
					SEE	CIE	
B.E	17C401	Municipal and Industrial waste water Engineering	4	4-0-0	60	40	3Hrs

**CO's**

15C401.1	Quantify wastewater generation and to make suggestions about operation and maintenance of the sewage collection and conveyance systems.
15C401.2	Understand and apply the design principles and criteria in designing preliminary, primary and secondary wastewater treatment systems.
15C401.3	Understand the effect of disposal of municipal and industrial wastewater to streams and the concept of self-purification capacity.
15C401.4	Understand the different methods of industrial waste water treatment and removal of specific pollutants from effluents.
15C401.5	Understand the Specify design criteria for physical, chemical, and biological unit operations and processes necessary to treat some specific industrial effluents.

**PSO's**

**PSO-1:** Graduates will be able to analyze, design and execute the civil engineering structures effectively for the sustainable development.

**PSO-2:** Graduates will acquire critical thinking abilities and technical skills for the usage of modern tools in development of civil engineering structures.

**PSO-3:** Graduates will be able to get opportunities for their professional growth, demonstrate communication and aptitude skills to face the challenges and needs of our society.

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
17C401.1	3	3	2	-	-	-	-	-	-	-	-	-	2	1	1
17C401.2	3	3	3	-	-	-	-	-	-	-	-	-	2	1	1
17C401.3	3	2	1	-	-	3	-	-	-	-	-	-	1	-	1
17C401.4	3	3	2	-	-	-	-	-	-	-	-	-	2	1	1
17C401.5	3	3	3	-	-	-	-	-	-	-	-	-	2	1	1
17C401	3	2.8	2.2	-	-	3	-	-	-	-	-	-	1.8	1	1

Course Owner

HOD