

Project Title	CHARACTERIZATION OF SLUDGE FOR SUSTAINABLE DEVELOPMENT
Scientific Domain	Civil Engineering (Material Science)
Summary	<p>Sludge is material which is resulted after treatment of waste water in a treatment plant. Sludge is a two-phase slurry, consisting of water and solids when this itself is a problem to be handled, a more important problem is that this water in sludge is not only in one form in terms of its binding characteristics with solids</p> <p>When we treat waste water there will be huge amount of sludge that will be deposited at the bottom of purifying tank. Once this sludge level is increased in the tank it is necessary to clean the purifying unit.</p> <p>Further, when we clean the purifying unit we end up with huge quantity of sludge and question arises where to dump this sludge, as this sludge is treated as waste material. The practice is that we are dumping the waste in a dump yard, which reduces place in the dump yards.</p> <p>One of the best solution for this problem would be, using this waste for beneficial purpose such as landfills for reclamation projects and as a construction material. For using the sludge for beneficial purpose it has to meet a required specifications. For this purpose one has to characterize the sludge to understand it in a better way. Once we understand the sludge we can decide its application.</p> <p>The characterization such as, Physical, Chemical, Mineralogical, Morphological and Thermal methods are very important in understanding the behavior of the sludge under various environmental condition. Hence a study has been proposed to characterize the sludge for deciding its application.</p>
Student Profile Wished	<p>NAME : SUSHMITHA.B.S</p> <p>EMAIL : sushmitha22chuchi@gmail.com</p> <p>MOBILE :7259683292</p> <p>ADDRESS :Jhansi Ki Rani Block Hostel New Horizon College Of Engineering Outer Ring Road, Kadubisanahalli, Bangalore-560103</p> <p>SUMMARY: Perusing bachelor of engineering(Civil Engineering) from New Horizon College of Engineering.</p> <p>OBJECTIVE: To gain immense knowledge and to learn the real application of academically gained concepts in civil Engineering field.</p>

ACADEMIA-			
COURSE	INSTITUTION	BOARD	ADDRIGATE (%)
B.E	New Horizon college of engineering Bangalore, India.	Vishveshwaraya Technological University, Belgaum.	75
II PUC	S.D.M pre-University college, Ujire, India	Department of pre-University Education (Karnataka)	72
SSLC	Rastriya Academy school, Hiriyur, India.	Karnataka Board Exam	92
PERSONAL PROFILE:			
NAME		: SUSHMITHA .B.S.	
FATHER'S NAME		: SHIVANAND MURTHY B.K	
DATE OF BIRTH		: 22 JULY 1994	
GENDER		: FEMALE	
NATIONALITY		: INDIAN	
LANGUAGE KNOWN		: ENGLISH, HINDI, KANNADA,	
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Time and Duration for project	Five Months		
Representative reference	Dipankar Das Sarma		