

Title of course:			Public Health Engineering		
Nodal Department of HEI to run course					
Board Area/Sector-			Health Care		
Sub Sector-					
Nature of Course-Independent and Progressive			Independent and Progressive		
Name of Suggestive Sector Skill Council			Health Care sector Skill Council		
Aliened NSQF Level			4		
Expected fee of the Course- Paid					
Stipend to Student expected from industry					
Number of Seats.....					
Course Code- VOPHE (VOPHE101, VOPHE102, VOPHE201, VOPHE202)			Credits-03(1 Theory,2 Practical)		
Max Mark 25+75			Minimum Marks.		
Name of proposed skill Partner (Please Specify, Name of industry, company etc for practical/training/internship/OJT.					
Job prospects- Expected field of Occupation where student will be able to Get job after the completing this course in (Please Specify, Name of industry, company etc).			NGOs, Multinational Companies, Sanitation staff, Office management, Can open their own		
Syllabus:-					
Unit	Topics	General/Skill Component	Theory/Practical /OJT/internship /Training	No. of Theory Hours (Total-15 Hours=1 credit)	No. of skill hours (Total=60 Hours=2 credits)
Semester-1 VOPHE101			Credit-3		
I.	Introduction of PUBLIC HEALTH ENGINEERING	General	Theory	15 Hours	
II.	Basic tool and Techniques	Skill	Theory/Practical		30 Hours
III.	Sources, Quantity and Quality of water	Skill	Practical/Internship /Training		30 Hours
Semester-2 VOPHE102			Credit-3		
I.	Building Water supply	General	Theory/ Practical	15 Hours	
II.	Purification of Water	Skill	Theory/Practical		30 Hours
III.	Conveyance and distribution of water	Skill	Practical/Internship /Training		30 Hours
Semester-3 VOPHE201			Credit-3		
I.	Domestic sewage and system of sewerages	General	Theory/ Practical	15 Hours	
II.	Characteristics and treatment of sewage	Skill	Theory/Practical		30 Hours
III.	Maintenance	Skill	Practical/Internship		30 Hours

			/Training		
Semester-4 VOPHE202			Credit-3		
I.	Sanitary Engineering	General	Theory/ Practical	15 Hours	
II.	Health Education	Skill	Theory/Practical		30 Hours
III.	Industrial Training	Skill	Practical/Internship /Training		30 Hours
Suggested Readings: Public health engineering : a lecture note-book Practical Handbook on Public Health Engineering, 3rd Edition, MSBTE – Public Health Engineering – Nirali Environmental Engineering Vol. I And Vol. II Environmental Pollution Control Engineering Water supply and Sanitary Engineering					
Suggested Digital platforms/web link for reading- http://epgp.inflibnet.ac.in/Home/ViewSubject?catid=21 http://www.cbseacademic.nic.in/web_material/doc/2014/16_Library%20&%20Information%20Science%20Class%20XI.pdf www.mpcb.gov.in www.cpcb.nic.in http://nptel.ac.in/courses/105104102/ http://nptel.ac.in/courses/105106119/33					
Suggested OJT/internship/Training/Skill partner :					
Suggested Continuous Evaluation Methods: Internal Assessment: Every month will have one or two Grade test/Quiz/Practical test/ Seminar on the bases of theory and practical syllabus. Best 3 test/Quiz/Practical test/ Seminar marks will be considered for internal marks and carry 30 % of overall result. End term Exam will have 40 theory (Objective type) + 60 skill test plus report assessment marks based on visit and will carry 70 % of overall result. All students, who obtain 40% marks in internal assessment and 40% marks in end term, will be eligible for certificate and credit transfer. Course learners who qualify the end course examination can get a passing certificate and a marksheet for credit transfer. Course learners can get participation certificate and completion of the course for the participation in the course					
Course Pre-requisites: <ul style="list-style-type: none"> • No pre-requisite required, open to all • To study this Course, a student must have the Subject subject or any other in class/12th/certificate/diploma. • If progressive to study this course a student must have passed previous courses of this series. 					
Suggested Equivalent online courses:					
Any remarks/suggestions:					
Notes: <ul style="list-style-type: none"> • Number of units in theory/practical may vary as per need. • Total credit Semester-3(it can be more credits, but student will get only3 credits/semester or 5 credits/year). • Credit for theory=01(Teaching hours=15) • Credit for internship/OJT/Training/Practical=02(Training hours =60) 					