RGPV (DIPLOMA W BHOPAL			VING)	OBE CURRIC COURSE	ULUM FOR	THE	FORMA	AT-3	Sheet No. 1/3
Branch	Cem			ent Technology (C01)		\$	Semester	emester V	
Course Code 50		6 Course Name			In plant Trainir		ng		
Course Outcome 1			classro	Student will be able to bridge the wide gap between the Teach classroom and industrial environment and reveal the Hrs. Mark industrial environment.					h Marks
Learning Outcome 1			Student will be able to relate the classroom learning to the 10 10 practical experiences in the plant and understand the industrial environment.					10	
Contents			<ul> <li>Industrial training of the students is essential to bridge the wide gap between the classroom and industrial environment. This will enrich their practical learning.</li> <li>Industrial training is an exposure of students to the real time environment of an industrial sector.</li> <li>Student will be able to gain real time knowledge of observation and job execution in industrial ambiance.</li> <li>Set a plan for the training so that the objective of the training and the expectations of the polytechnic system will be fulfilled.</li> <li>By the proper planning the training will be most beneficial.</li> <li>Spelling out the objectives of the industrial training in behavioral terms.</li> <li>Students have to make individual plans (week wise/ day wise) to undertake industrial training.</li> <li>During training make a weekly work plan.</li> <li>In weekly work plan write down he main objectives of weekly studies.</li> <li>Every weekly study objective should be signed and sealed.</li> </ul>						
Method	of Asso	essment	Extern	al: Report submiss	ion* and viva vo	ce.			
Learning Outcome 2		Student will be able to Identify the role of Cement1010Technologist/Production Engineers in cement industry, current industrial scenario, advancement and future development in the cement plant.10							
Contents	5		<ul> <li>To develop their on-ground work skills, communication skill, managerial skills and work ethics from industrial culture.</li> <li>Prepare a report on type of Industry, Industrial developments.</li> <li>Importance of cement industry, Organizational Structure, Work of different departments.</li> <li>Field and CCR work management.</li> </ul>						

	<ul> <li>Advancement in cement industry.</li> <li>Current status of India in cement manufacturing.</li> <li>During training students will maintain a dail interactions/visits/learnings. Main purpose of daily di the habit of systematic recording of learning experietc.</li> <li>Counter sign in the daily diary at the end of the w comments from the coordinator/reporting officer al and participative attitude of trainee during training.</li> <li>The proforma to maintain daily diary will be provided</li> </ul>	ery is to ences an eek and bout the	inculcate ad events offer the initiative		
Method of Assessment	External: Report submission* and viva voce.				
Course Outcome 2	Student will be able to elaborate the cement manufacturing process from mining to packaging.	Teach Hrs.	Marks		
Learning Outcome 1	Student will be able to describe the cement manufacturing process from mining to grinding of raw material.	10	10		
Contents	<ul> <li>Process from mining to grinting of raw material.</li> <li>Make notes of the sections given below and write in details about the major equipments / machines and instruments used in cement industries in different unit operations along with specifications.</li> <li>Preparation of Raw materials: - <ul> <li>The process of survey of limestone mines.</li> <li>Drilling and blasting, exploration of limestone.</li> <li>Crusher section, details about the type of crusher used in plant.</li> <li>Pre homogenization section, making of piles, stacking and reclaiming.</li> <li>Transportation of crushed lime stone.</li> <li>Storage of crushed raw materials in hoppers.</li> <li>Weigh feeder, rotary gate feeder, triple gate feeder.</li> <li>Grinding in VRM, classifier, cyclone separator.</li> <li>Dust collection in bag dust collector.</li> <li>Transportation of the fine material to the CF silo.</li> <li>Safety, health, environment and Quality management system.</li> </ul> </li> </ul>				
Method of Assessment	Internal: Presentation and viva voce.				
Learning Outcome 2	Student will be able to explain the cement manufacturing process from CF silo to packing plant and quality control lab.1015				
Contents	Make notes of the sections given below and write in details about the major equipments / machines and instruments used in cement industries in different unit operations along with specifications. Pyro processing and clinker formation: -				

	<ul> <li>Homogenization in CF silo.</li> <li>Preheaters, Calciner (SLC, ILC).</li> <li>Kiln (primary reactions of clinker burning, material</li> <li>Types of burners recently used in cement plant.</li> <li>Cooler, DDPC, Primary air fans.</li> <li>Storage of clinker and gypsum.</li> <li>Grinding of clinker in cement mill (VRM/Ball mill)</li> <li>Storage of cement in cement silo.</li> <li>Packing of cement.</li> <li>Dispatch of cement.</li> </ul>		low).		
	Quality control lab: -				
	<ul> <li>Gain firsthand knowledge on tests conducted to m cement.</li> <li>To visit QC lab of the plant and study the various te machines and methods used.</li> <li>To observe and learn to conduct the various quality lab and prepare write up for each test separately.</li> <li>Student will find out the areas himself needing cement plant.</li> </ul>	sting equ control t	ipments /		
Method of Assessment	Internal: Presentation and viva voce.				
Course Outcome 3	Prepare a report about the work experience in the industry and demonstrate through a Power-Point Presentation on learning from industrial training. (20-30) minutes.	Teach Hrs.	Marks		
Learning Outcome 1	Prepare a report about the work experience in industry.	10	15		
Contents	<ul> <li>Prepare a detailed report according to the guidance of faculty in-charge of industrial training in the format mentioned below.</li> <li>Arrangement of contents: <ul> <li>Cover page: (use required format if provided by faculty).</li> <li>Inner Title Page (Same as cover page)</li> <li>Certificate by Company/Industry/Institute</li> <li>Acknowledgement</li> <li>About Company/industry/institute</li> <li>Table of Contents</li> <li>List of Tables</li> <li>List of Figures</li> <li>Abbreviations and Nomenclature (If any)</li> <li>Index: Index of each section titles.</li> </ul> </li> </ul>				

	<ul> <li>Abstract: Introductory information about the training report. Maximum one page.</li> <li>Chapters: Your work and experiences.</li> <li>Conclusion: Summary of experiences.</li> <li>References</li> <li>Data Sheet (If any)</li> <li>Appendix: Additional materials if necessary.</li> </ul>					
Method of Assessment	External: Report submission <sup>*</sup> and viva voce.					
Learning Outcome 2	Illustrate learning from industrial training through Power-1015Point Presentation.15					
Contents	PPT must contain:					
	<ul> <li>Introduction to topic clearly.</li> <li>Arrange and prepare the slides according to the planning of your training.</li> <li>Include videos and diagrams accordingly.</li> <li>Presentation should be well organized with sufficient details.</li> <li>Effective conclusion with highlighting key points.</li> </ul> Delivery of presentation within assigned time limits. Note- Student should complete four-week industrial training before commencement of sixth semester.					
Method of Assessment	Internal: Presentation and viva voce.					