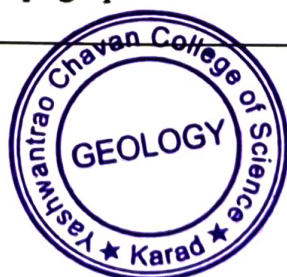


**Yashwantrao Chavan College of Science, Karad**  
**Department of Geology**

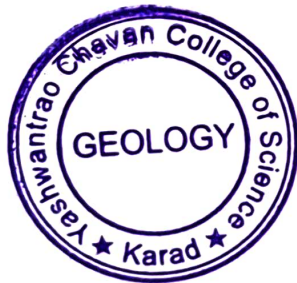
**Course Outcomes (CO) as per Blooms' Taxonomy**

**B. Sc. – III**

<b>Course Name</b>	<b>Course Outcome (CO)</b>
	<b>Upon successful completion of the course, students will be able to:</b>
Economic Geology	<b>CO1. Appraise</b> ore minerals and related processes.
	<b>CO2. Formulate</b> mineralization processes at different levels.
	<b>CO3. Evaluate</b> occurrence and distribution of beach and placer deposits.
	<b>CO4. Investigate</b> occurrence of petroleum deposits of India.
	<b>CO5. Examine</b> the metallic and non-metallic mineral deposits.
Hydrogeology	<b>CO1. Convince</b> society for groundwater fluctuation throughout the year.
	<b>CO2. Estimate</b> the rate of groundwater flow and flow types.
	<b>CO3. Evaluate</b> different groundwater exploration methods.
	<b>CO4. Recommend</b> groundwater resource development and management strategies.
Applied Geology- Engineering Geology	<b>CO1. Appraise</b> requirement of good building stones as well as engineering properties of rock and soil.
	<b>CO2. Propose</b> the suitability of site for construction of dams, reservoir, bridges, tunnel etc.
	<b>CO3. Formulate</b> different environment aspects during construction of civil engineering project.
Applied Geology- Prospecting and Mining Geology	<b>CO1. Propose</b> different geophysical methods for subsurface investigations
	<b>CO2. Investigate</b> different ore deposits by Geobotanical prospecting.
	<b>CO3. Justify</b> mining concept with environmental consideration.
Photogeology and Remote Sensing	<b>CO1. Design</b> photogrammetry and geometry of aerial photographs.
	<b>CO2. Select</b> various acquisition techniques of aerial photographs.
	<b>CO3. Rewrite</b> the image characteristics of geological features in imageries.
	<b>CO4. Produce</b> the topographic and tectonic features in the satellite images.



	<b>CO5. Develop</b> various images with the help of GIS Software
Geomorphology and Geotectonics	<b>CO1. Formulate</b> various concepts of geomorphology.
	<b>CO2. Illustrate</b> different geomorphological features developed by different agents.
	<b>CO3. Evaluate</b> crustal movements and explain mountain building processes.
	<b>CO4. Describe</b> plate tectonics in details.
Environmental Geology	<b>CO1. Formulate</b> the fundamental concepts of Environmental geology.
	<b>CO2. Investigate</b> the different environmental resources.
	<b>CO3. Evaluate</b> effects of various energy resources on environment.
	<b>CO4. Develop</b> mitigation strategies for studied different geohazards.
Geochemistry	<b>CO1. Estimate</b> the major, minor and trace elements in the Earth
	<b>CO2. Describe</b> the concepts of geochemistry with respect to petrology.
	<b>CO3. Appraise</b> the knowledge of different radioactive and Radiogenic isotopes.
	<b>CO4. Evaluate</b> geochemistry of hydrosphere, biosphere and atmosphere.



*Mec*

**HEAD**

Department of Geology  
Yashwantrao Chavan College of Science,  
Karad