College Code : 7631

ಎಸ್.ಈ.ವಿ. ವಿಜ್ಞಾನ ವಾಣಿಜ್ಯ ಮತ್ತು ಕಲಾ ಕಾಲೇಜು

(ಬೆಂಗಳೂರು ಉತ್ತರ ವಿಶ್ವವಿದ್ಯಾಲಯದಿಂದ ಸಂಯೋಜನೆಗೊಂಡಿದೆ ಹಾಗೂ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಮಾನ್ಯತೆ ಪಡೆದಿದೆ)

S.E.A COLLEGE OF SCIENCE, COMMERCE & ARTS

(Affiliated to Bengaluru North University, and Recognized by Govt. of Karnataka)

NAAC Accredited with 'B' Grade

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DEPARTMENT OF GEOLOGY

Program outcomes. Program Specific outcomes and course outcomes

PROGRAMME OUTCOME (PO)	**PO1:** This program provides basic knowledge in Geology and other science andtechnology pertaining to Geology field. **PO2:** Ability to understand the basics and fundamentals of Geology **PO3:** Ability to understand the internal features of earth by advanced technologies **PO4:**Gains geological field knowledge **PO5:** Train the candidate to communicate geological effective insolving technical research and development issues. **PO6:** Ability to work effectively as an individual, and as a member or leader in diverse teams, or in multidisciplinarydomain. **PO7:** Encourage graduates to becomegood human beings and responsible citizens for the overall welfare of the society.
PROGRAMME SPECIFIC OUTCOME(PSO)	**PSO1:** To applythe concepts of Geology in understanding, development and their applications **PSO2:** An ability to solve complex problems in the domain of Geology, along with analytical and field Knowledge **PSO3:** Ability to acquire social and environmental awareness with ethical responsibilities to have a successful Career in real-world applications.

COURSE OUTCOMES(CO)	
GEO-A1: Earth System Science Fundamentals	**CO1:** learn the origin of the solar system and Earth **CO2:** learn the Evolution and history of the earth and relate them to their field observations. **CO3:** understand the internal structure of Earth **CO4:** learn the Geomorphic processes; exogenetic (epigene) and endogenetic (hypogene). **CO4:** Landforms, & Soil – learn the fundamentals of geological mapping. **CO5:** learn how to read geologic maps, solve simple map problems and preparations of cross-sections. **CO6:** learn the Concept of plate tectonics, learn earthquakes and Volcanoes Credits
GEO-P1 Practical: Maps, Sediment, Soil & Field Visit **56**	**CO1:** learn the fundamentals of geological mapping. **CO2:** measure the geological data from the field **CO3:** learn how to read geologic maps **CO4:** interpret the geological maps CO5: learn the soil profile **CO6:** learn the major geomorphic feature
GEO A2 Basic of Crystallography Mineralogy and Petrology	**CO1:** learn the basics of mineralogy and crystallography helps in understanding and building the overall knowledge in Geology. **CO2:** exposed to the common crystals and their forms, minerals, and their basic properties especially physical and optical **CO3:** learn the most common resources viz. rocks which find tremendous applications potential especially in dimensional rock structures. **CO4:** know the common variety of rocks and minerals occurring and also their economic potential identification the minerals in hand their chemistry, and their types. CO5: learn crystals formation, form, Symmetry, normal crystal classes, and occurrence. **CO6:** learn the formation of mineral groups and resources.

GEO P2 Practical:Crystallography Mineralogy and Petrology	**CO1:** see and feel the natural mineral CO2: learn to identify the mineral in hand specimens **CO3:** identification the minerals in hand their chemistry, and their types. CO4: learn crystals formation, form, Symmetry, normal crystal classes, and occurrence. **CO5:** learn the formation of mineral groups and resources.