

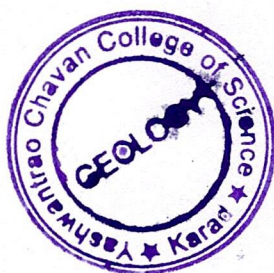
Yashwantrao Chavan College of Science, Karad

Department of Geology

ICT TOOLS USED FOR TEACHING AND LEARNING

CONTENTS

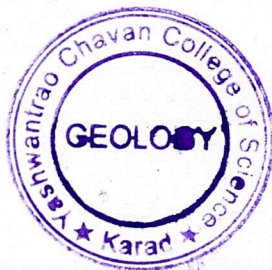
Sr. No.	Particulars
1	Video Lectures on You Tube
2	Power Point Presentations
3	Online lecture links
4	WhatsApp groups



Video Lectures on You Tube

Name of the Faculty: Dr. A. A. Lole

Sr. No.	Title	Links	Created on
1	Introduction to Engineering Geology	https://youtu.be/b7S4WqUnEK4?si=wbU4cdJf6VrTUcPn	25/07/2020
2	Engineering Properties of Rock & Building Stone	https://youtu.be/wVkk0WskKgA?si=wWddR0JMJOXCfOWK	04/08/2020
3	Soil Group of India	https://youtu.be/GbYGFfEOMbE?si=w1jiVGZSU89R7n-n	24/08/2020
4	Engineering Properties of Soil	https://youtu.be/h72dMXBstmQ?si=Woe35Fq_qRIQiQln	24/08/2020
5	Types of Bridges	https://youtu.be/AD6e5FJcX-M?si=A4xOfhNZ68n4LXu	07/09/2020
6	Geological Consideration of Bridge Sites	https://youtu.be/Cov-YrVmA_A?si=VJDeEbAhIP0vL1wa	07/09/2020
7	Types of Dam	https://youtu.be/MCUCYEUNZjI?si=AHcSp3nKDkD71SY4	14/09/2020
8	Geological Consideration for Dam Construction	https://youtu.be/n0ViU0EUr50?si=yrI0XyVAKtbrifnf	15/09/2020
9	Introduction to Geology & Syllabus Review	https://youtu.be/ht67LcLk6A?si=IBCiWmXgAaihF0yB	18/11/2020
10	Environmental Impact of Dam Construction	https://youtu.be/PBBiK060slQ?si=sv3dDAEUrcuATBbE	18/11/2020
11	What is Stratigraphy? & Different Principles of Stratigraphy.	https://youtu.be/5pKb8JVRrVY?si=lJEXWKWlcpnNeFhk	09/05/2021
12	Stratigraphic Classification	https://youtu.be/cdN8hUaxjq0?si=Rb2IH9XsdWucC-ka	13/05/2021
13	Geological Time Scale	https://youtu.be/cSEeeXivU3w?si=J-NqOV2cH04jE3yh	13/05/2021
14	Correlation	https://youtu.be/hRx88IU60Bk?si=RN1E-6WZmbUkq0Jm	15/05/2021
15	Tectonic Divisions of India	https://youtu.be/8zNMt40OKVQ?si=duFwf91Aotkewa8R	17/05/2021
16	Gondwana Supergroup	https://youtu.be/0iSttiGM53k?si=W1FCBBvmwYe9wBim	19/05/2021
17	Vindhyan Supergroup	https://youtu.be/aiKLamgtiCw?si=qUpce2rYzU0hT_Lq3	20/05/2021
18	Dharwar Supergroup	https://youtu.be/4UrQApqdo6k?si=f5cqinecfABrruKeo	21/05/2021
19	Delhi Supergroup	https://youtu.be/oxBSltKPL7c?si=QNcrj1_fRRhYS3E	22/05/2021

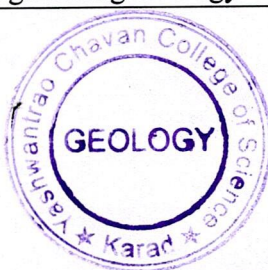


Sr. No.	Title	Links	Created on
20	Cuddapah Supergroup	https://youtu.be/qGgr6dNYMV8?si=MAMEPV0-a-tuhAWf	23/05/2021
21	Deccan Trap	https://youtu.be/WXvbuXOy18I?si=JKeadKKhompriDao	26/05/2021
22	Cretaceous of Trichi	https://youtu.be/X4g2lou1KW0?si=mtVussKvp_DyaHR	27/05/2021
23	Triassic of Spiti	https://youtu.be/HOvpgmPsyLg?si=d16NLA14mJhd0OKE	30/05/2021
24	Jurassic of Cutch	https://youtu.be/1nMqlV33pfQ?si=CphULTCzZtKAYCol	04/06/2021
25	Northwestern Himalaya	https://youtu.be/am6rOomNTJs?si=q5JkiAOvc6xtHOaq	05/06/2021
26	Applications of Remote Sensing & GIS	https://youtu.be/fEePGnwjV10?si=Ou87BNFyWzzSjrWG	28/02/2022

Power Point Presentations for Lectures

Name of Faculty- Dr. A. A. Lole

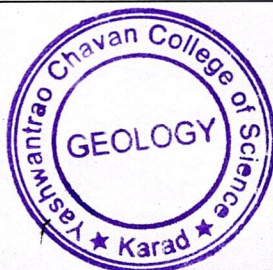
Sr. No	Name of Topics
B. Sc. – I	
1	Introduction to Geology
2	What are Earthquakes
3	Recording of Earthquake
4	Seismic zone
B. Sc. – II	
1	Sedimentary and Metamorphic Petrology
B. Sc. – III	
1	Continental drift, plate tectonic and plate boundaries
2	Engineering Properties of Rock
3	Engineering properties of Soil
4	Introduction to Geochemistry
5	Geochemistry
6	Geological consideration of bridge site
7	Impact of DAM on Environment
8	Introduction to Engineering Geology



Sr. No	Name of Topics
9	Introduction to Remote Sensing and GIS
10	Soil groups of India
11	Types of Bridges
12	Types of DAM and Geological Investigation

Name of Faculty- Dr. L. B. More

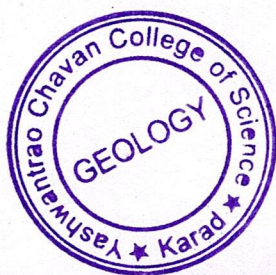
Sr. No.	Name of Topics
B.Sc. I	
1	Primary differentiation of the Earth
2	Internal Structure of the Earth
3	Earthquakes and Plate tectonics
4	Seismic Waves
5	Introduction to Mineralogy
6	Atomic Structures and Mineral Chemistry
7	Physical Properties of Minerals
8	Optical Mineralogy
B.Sc. II	
1	Igneous Rocks
2	Forms of Igneous rocks
3	Classification of Igneous rocks
4	Igneous rocks texture
5	Magma
6	Phase Diagrams
7	Basics of Stratigraphy
8	Geological Time Scale
9	Tectonic divisions of India
10	Cratons & Mobile belts
11	Dharwar Craton
12	Proterozoic Basins
B.Sc. III	
1	Introduction to Geochemistry
2	Atom and Atomic Structure



Sr. No.	Name of Topics
3	Periodic table
4	Geochemical evolution of the earth and geochemical cycles
5	Isotope Geology
6	Element Distribution & Geochemical Thermodynamics
7	Radioactivity
8	Isomorphism and Polymorphism
9	Surface Mining Methods

Name of Faculty- Dr. Rajesh Vilasrao Desai

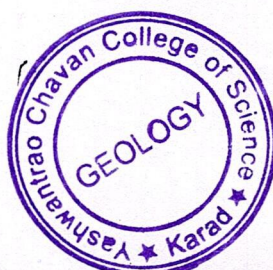
Sr. No.	Name of Topics
B.Sc.- I	
1	Mineralogy Introduction
2	External Characters of Crystals
3	Volcano
4	Solar System
5	Orthorhombic System
6	Tetragonal System
7	Cubic System
8	Hexagonal System
9	Monoclinic System
10	Triclinic System
11	Structural Geology
B.Sc.- II	
1	Sedimentary Rocks
2	Metamorphic Rocks
3	Metamorphic Facies
4	Forms of Igneous Rocks Igneous Rocks
5	Dharwar Craton
6	Bastar Craton
7	Singhbhum Craton



8	Satpura Mobile Belt
9	Aravali Craton
10	Cuddapah Supergroup
11	Vindhyan Supergroup
12	Eastern Ghat Mobile belt
13	Deccan Trap
14	Textures of Igneous Rocks
15	Precambrian Stratigraphy- Introduction
B.Sc.- III	
1	Landslide
2	Groundwater
3	Geomorphology II
4	Study of Ore Minerals
5	Supergene Sulphide Enrichment Deposits
6	Geomorphology I
7	Economic Geology Unit I
8	Mountains
9	Geotectonics

Name of Faculty- Shri S. M. Thorat

Sr. No.	Name of Topics
B.Sc. I	
1	Introduction to Geology
2	Forms of Minerals
3	Mineralogy
4	Rock forming Mineral Groups
5	Structural Geology
B.Sc. II	
1	Igneous Rocks
2	Sedimentary Rocks
3	Metamorphic Rocks

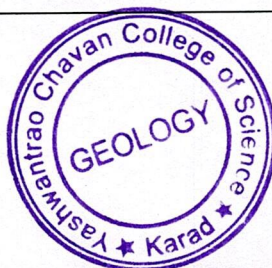


Sr. No.	Name of Topics
B.Sc. III	
1	Geomorphology and Geotectonics
2	Hydrogeology
3	Porosity
4	Economic Contact_ Metamorphism_ Metasomatism
5	Economic Geology Ore_ Deposit_ Classification
6	Economic Geology Wall_ Rock_ Alteration
7	Economic Geology_ Ore_ Bearing_ Fluids
8	Economic Processes Supergene Sulfide Enrichment
9	Economic Processes_ Bacteriogenic_ Deposits
10	Economic Processes_ Evaporation
11	Economic Processes_ Metamorphism
12	Economic Processes_ Residual and Mechanical Concentration
13	Economic Processes_ Sedimentary
14	Tectonics and Crustal Evolution- Phanerozoic
15	Tectonics and Crustal Evolution - Proterozoic
Practicals	
1	Rock forming minerals
2	Igneous Rocks
3	Sedimentary Rocks
4	Metamorphic Rocks
5	Microscopic textures

Sample links for Online Lectures

Name of the Faculty: Dr. A. A. Lole

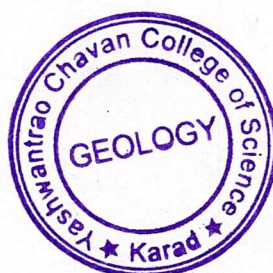
Sr. No.	Links
1	https://us05web.zoom.us/j/4278563495?pwd=ZHQc2MrVE5ua24vWGHxMnNqcnlxZz09
2	https://us05web.zoom.us/j/4278563495?pwd=ZHQc2MrVE5ua24vWGHxMnNqcnlxZz09
3	https://us05web.zoom.us/j/4278563495?pwd=ZHQc2MrVE5ua24vWGHxMnNqcnlxZz09



4	https://us05web.zoom.us/j/4278563495?pwd=ZHQc2MrVE5ua24vWGHxMnNqcnlxZz09
5	https://us05web.zoom.us/j/4278563495?pwd=ZHQc2MrVE5ua24vWGHxMnNqcnlxZz09
6	https://us05web.zoom.us/j/4278563495?pwd=ZHQc2MrVE5ua24vWGHxMnNqcnlxZz09
7	https://us05web.zoom.us/j/4278563495?pwd=ZHQc2MrVE5ua24vWGHxMnNqcnlxZz09
8	https://us05web.zoom.us/j/4278563495?pwd=ZHQc2MrVE5ua24vWGHxMnNqcnlxZz09
9	https://us05web.zoom.us/j/4278563495?pwd=ZHQc2MrVE5ua24vWGHxMnNqcnlxZz09
10	https://us05web.zoom.us/j/4278563495?pwd=ZHQc2MrVE5ua24vWGHxMnNqcnlxZz09
11	https://us05web.zoom.us/j/4278563495?pwd=ZHQc2MrVE5ua24vWGHxMnNqcnlxZz09

Name of Faculty- Dr. Rajesh Vilasrao Desai

Sr. No.	Links
1	https://meet.google.com/oip-zqcj-qak
2	https://meet.google.com/bci-akme-fwd
3	https://us04web.zoom.us/j/75668552984?pwd=TkZvc1RxOTBBQmp2SE5vdWxtS2RRUT09
4	https://us04web.zoom.us/j/76119655889?pwd=SWNreHBEUDFUSDZ4S2x2c2JWQVIzZz09
5	https://us04web.zoom.us/j/5904454580?pwd=WGJ6UjltEgvpOZTZIZGM3OGJ4dz09
6	https://us04web.zoom.us/j/5904454580?pwd=WGJ6UjltEgvpOZTZIZGM3OGJ4dz09

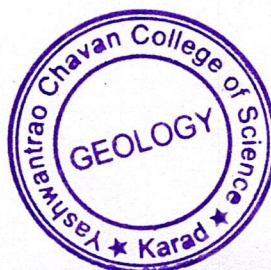


Name of Faculty- Shri S. M. Thorat

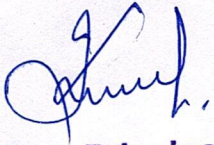
Sr. No.	Links
1	http://meet.google.com/juo-baxv-rpg
2	http://meet.google.com/eez-fgra-dcb
3	http://meet.google.com/une-gnrw-rnu
4	http://meet.google.com/wwb-cvzf-xms
5	https://chat.whatsapp.com/GsdeYGQZShN8twQhsRpLS1
6	https://meet.google.com/wss-jgdw-bww?hs=151
7	https://meet.google.com/ayv-otxp-ugo?hs=151
8	http://meet.google.com/qnb-otyt-cgt
9	http://meet.google.com/usu-znvj-qnt
10	https://meet.google.com/vfu-obqu-uaq

Links for WhatsApp groups

Sr. No.	Class	Links
1	BSc - III 2023-24	https://chat.whatsapp.com/JPbwG1vudMR4mMV1KW7MeR
2	BSc - I 2023-24	https://chat.whatsapp.com/DqWWrRZdmFA8bRxu1cztbu
3	BSc - II 2023-24	https://chat.whatsapp.com/Ix1bfBqIufnJQrrQxv1KFJ
4	BSc-III 2022-23	https://chat.whatsapp.com/DxHE3gXKHuf0eSlaWbIrUw
5	BSc-II 2022-23	https://chat.whatsapp.com/HnZgvfrEzHO9dF4L9bONIP
6	BSc-I 2022-23	https://chat.whatsapp.com/FqdMvPpQYgL56ucCCDaEwE
7	BSc-II 2021-22	https://chat.whatsapp.com/K6Ej2gjkNPKGYWcsNkWVDb

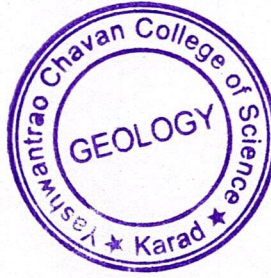


8	BSc-I 2021-22	https://chat.whatsapp.com/D4tuct7s8i3Ea1rTMlp7d0
9	Ty BSc. 2020-21	https://chat.whatsapp.com/Ix14LnMHryW0hWG8f6R2Pq



Principal

Yashwantrao Chavan College of Science, Karad





HEAD

Department of Geology
Yashwantrao Chavan College of Science,
Karad