



IGNOU REGIONAL CENTRE, BHUBANESWAR

Practical counseling schedule of MSCGG for TEE June 2025

Mode: Online (Google Meet)- <https://meet.google.com/iea-eeft-cjh>

Practical counseling class for MSCGG has been scheduled to be held online for TEE June 2025. So, all eligible learners (who have submitted practical exam fees of the scheduled courses for TEE June, 2025) are requested to attend the practical as per the below schedule. **Practical examination will be conducted at RC Bhubaneswar office campus** (You may check News & Events/Notice board of RC website for the schedule/latest updates- <http://rcbhubaneshwar.ignou.ac.in/>). Please prepare the course wise practical records and **bring the practical records with Identity Card and hall ticket on scheduled date of examination.**

Without payment of applicable practical fees, learners are not allowed to attend the scheduled practical counseling cum exam.

Practical Course code: **MGGL-01**

Date	Time	Experiment details	Counselor/Expert
07.08.2025	06.30-08.30 PM	General Orientation	Prof. G. K. Panda
		Experiment-1 Construction of Map Scales: Plain and Comparative	
		Experiment-2 Construction of Map Scales: Diagonal	
08.08.2025	06.30-08.30 PM	Experiment-3 Drainage Basin Analysis- Aerial Aspects	Prof. G. K. Panda
		Experiment-4 Drainage Basin Analysis- Linear Aspects	
		Experiment-5 Diagrams- Single and Composite Maps	
09.08.2025	06.30-08.30 PM	Experiment-6 Weather Map Reading and Interpretation	Prof. G. K. Panda
		Experiment-7 Differentiation through Patterns	
10.08.2025	06.30-08.30 PM	Experiment-8 Layout Preparation of Physical and Social Aspects	Prof. G. K. Panda
		Experiment-9 Landform mapping	

11.08.2025	06.30-08.30 PM	Experiment-10 Land use and Land cover-Analogue Mapping	Prof. G. K. Panda
		Experiment-11 Land use and Land cover- Digital Mapping	

Practical Course code: **MGGL-02**

Date	Time	Experiment details	Counselor/Expert
12.08.2025	06.30-08.30 PM	General Orientation	Dr. Malini Prava Sethi
		Experiment-1 Computing and Plotting of Geographic Mean and Median,	
		Experiment-2 Calculate Range, Quartiles. Standard Deviation and Coefficient of Variation from a given set up Data	
13.08.2025	06.30-08.30 PM	Experiment-3 Plot a Scatter Diagram. Calculate the Coefficient of Product Moment and Rank Correlation from the given set of Bi-variety Data	Dr. Malini Prava Sethi
14.08.2025	06.30-08.30 PM	Experiment-4 Fitting of a Least Square Regression Line from a Bi-variety Geographical Data and Find Out R from the same Data	Dr. Malini Prava Sethi
15.08.2025	06.30-08.30 PM	Experiment-5 Focus Group Technique	Dr. Malini Prava Sethi
		Experiment-6 Participatory Action Research based on a Geographical Issue	

Practical Course code: **MGGL-03**

Date	Time	Experiment details	Counselor/Expert
16.08.2025	06.30-08.30 PM	Exercise : Familiarisation i) Familiarisation with GIS Data, Raster and Vector, ii) Spatial Data Infrastructure iii) Familiarisation with Software (Q-GIS) iv) Exploring Projection, Coordinates, Scale and Measurements v)Topology- Point, Line and Polygon,	Dr. Monalisha Mishra

17.08.2025	06.30-08.30 PM	Exercise : Map Preparation i) Digitisation, Error Distribution and Removal, ii) Georeferencing iii) Spatial and Attribute Data Integration iv) Manipulation- Interpolation and Extrapolation, v) Map Editing and Final Map Preparation vi) Decision based mapping with GIS functions: Superimposition, Dissolving and Buffering	Dr. Monalisha Mishra
18.08.2025	06.30-08.30 PM	Exercise :Analysis, Query and Visualisation i) Attribute based and Spatial Data Query ii)Display & Visualisation-Cartographic Principles, Symbolisation and Layout Generation- iii) Output Generation- Digital and Analog iv) Triangulations, DEM, Gradient, Slope and Aspect	Dr. Monalisha Mishra
19.08.2025	06.30-08.30 PM	Exercise : i) Preparation of an Administrative Map Exercise : ii) Preparation of a River Network and Density Estimation	Dr. Monalisha Mishra

Practical Course code: **MGGL-04**

Date	Time	Experiment details	Counselor/Expert
20.08.2025	06.30-08.30 PM	Exercise: 1. Introduction to Field Survey Methods <ul style="list-style-type: none"> Purpose, scope, and ethics of fieldwork. Designing a field survey (objectives, hypotheses, sampling). Preparation of Field Instruments and Training in the use of Survey Equipments <ul style="list-style-type: none"> Plane Table, Levelling, Theodilite Prismatic Compass GPS and Drone Clinometer Tape, Ranging Rod 	Prof. G. K. Panda

		<ul style="list-style-type: none"> ▪ Soil, air and water testing kits <p>Questionnaire and interview tools</p>	
21.08.2025	06.30-08.30 PM	<p>Exercise : Physical Survey</p> <p>Methods</p> <p>Topographical Survey Using Plane Table</p> <ul style="list-style-type: none"> • Methods: Radiation and Intersection • Preparation of a base map of a small area (Village or college campus). <p>Slope and Elevation Measurement</p> <ul style="list-style-type: none"> • Use of clinometer/Abney level. • Slope profile preparation (concave, convex, straight). <p>Drainage Mapping and Stream Survey</p> <ul style="list-style-type: none"> • Field identification and mapping of stream order. • Measurement of stream width, depth, velocity. <p>Microclimate Observation</p> <ul style="list-style-type: none"> • Measurement of temperature, humidity, wind direction, rainfall (using simple instruments or mobile apps). 	Prof. G. K. Panda
22.08.2025	06.30-08.30 PM	<p>Exercise : Socio-Economic Survey</p> <p>Methods</p> <p>Household Questionnaire Survey</p> <ul style="list-style-type: none"> • Design and pilot testing of structured questionnaires. • Data collection on: Demographics, Occupation and income, Education, Health, Migration <p>Participatory Rural Appraisal (PRA)</p> <p>Techniques: Resource and social mapping,</p> <p>Focus Group Discussion (FGD)</p> <ul style="list-style-type: none"> • Planning, conducting, and summarizing FGD with a target group (e.g., women, farmers, youths). <p>Key Informant Interviews</p> <ul style="list-style-type: none"> • Preparation of checklists. Interviewing Panchayat members, school teachers, NGO workers, etc 	Prof. G. K. Panda
23.08.2025	06.30-08.30 PM	Exercise . Data Compilation,	Prof. G. K. Panda

		Analysis & Presentation Data Tabulation and Coding <ul style="list-style-type: none"> Manual and software-based methods (e.g., Excel/SPSS basics). Preparation of Thematic Maps, Report Writing and Presentation <ul style="list-style-type: none"> Include maps, charts, and field photograph 	
--	--	--	--

Practical Course code: **MGGL-05**

Date	Time	Experiment details	Counselor/Expert
24.08.2025	06.30-08.30 PM	Exercise on Digital Image Processing <ul style="list-style-type: none"> Image Processing Software Introduction. Selection and Acquisition of Satellite Data 3 Data Management- Import /Export, Data and Image Display Image Histogram and Preparation of Colour Composites (TCC & FCC) 	Dr. Monalisha Mishra
25.08.2025	06.30-08.30 PM	<ul style="list-style-type: none"> Identification of Features in Different Spectral Regions and Generation of Spectral Profile, Radiometric Corrections, Histogram Adjustment and Dark Object Subtraction, Absolute Atmospheric Correction 	Dr. Monalisha Mishra
26.08.2025	06.30-08.30 PM	<ul style="list-style-type: none"> Image Geometric Correction , Image to Map Rectification and Image to Image Registration, Subset of Image and Mosaic Preparation Spatial Contrast Enhancement - Linear and Non-Linear, Spectral Contrast Enhancement, Band Rationing – NDVI 	Dr. Monalisha Mishra
27.08.2025	06.30-08.30 PM	<ul style="list-style-type: none"> Image Analysis: Visual Interpretation of ImageDIP - Image Classification- Unsupervised & Supervised Classification and Reclassification of Image 	Dr. Monalisha Mishra

Sr. Regional Director