

## TOPICS TO BE COVERED

● Theory

● Practical



DAY - 1	DAY - 2
<b>● Theory: GIS concepts and terminology</b> <ul style="list-style-type: none"> <li>• Projection &amp; Coordinate System</li> <li>• Data Modeling in GeoDB</li> <li>• Data Sources: offline and online</li> </ul>	<b>● Theory: Spatial Queries &amp; Analysis</b> <ul style="list-style-type: none"> <li>• Overlay analysis like union, merge, buffer</li> <li>• Solving governance problem with GIS analysis</li> <li>• Contours creation</li> </ul>
<b>● Lab Practical:</b> <b>Introduction to Q-GIS Interface</b> <ul style="list-style-type: none"> <li>• Creating shape files</li> <li>• Converting paper maps to GIS</li> <li>• Add field survey data to GIS</li> </ul>	<b>● Lab Practical: Query building</b> <ul style="list-style-type: none"> <li>• Construction of non-spatial queries</li> <li>• Construction of spatial queries</li> <li>• Building complex queries</li> </ul>
<b>● Theory:</b> <b>Methods of data entry in GIS</b> <ul style="list-style-type: none"> <li>• Using point, line, polygon for modelling real world entities</li> <li>• Actual and analytical representation</li> <li>• Map scale and geometry considerations</li> </ul>	<b>● Lab Practical: GIS Analysis &amp; reporting</b> <ul style="list-style-type: none"> <li>• Identify notification area and properties for DP road widening</li> <li>• Extracting existing data for DPR preparation</li> <li>• Symbolology, labeling and GIS reporting for decision making</li> </ul>
<b>● Lab Practical: Digitization &amp; topology</b> <ul style="list-style-type: none"> <li>• Digitization of paper maps, maintain accuracy and topological integrity</li> <li>• Add/update attributes of DP or utility features</li> <li>• Validating, finding errors in layers</li> </ul>	<b>● Theory: Essentials of GNSS / GPS systems</b> <ul style="list-style-type: none"> <li>• GPS, DGPS concepts terminology</li> <li>• Important of Base station &amp; Rovers in GIS mapping</li> </ul> <b>● Field Practical:</b> Hand on survey and demarcation and of DP reservation with DGPS

## FACULTY PROFILE

Training programme shall be delivered by field expert having vast experience in training and development of GIS applications, land and utility surveys using Total Station & GPS technology.



## PROGRAMME SCHEDULE

5 <sup>th</sup> March 2025 (10:00 am to 06:00 pm)	Class Room Sessions with hands on practice
6 <sup>th</sup> March 2025 (10:00 am to 06:00 pm)	Class Rooms Sessions, hands on & field practical



## PARTICIPANT PROFILE

The programme can be attended by engineers, surveyors, draftsman, of ULBs from departments like Development Plan, Building Proposal, Property Tax, Road & Bridges, Water, Sewerage, SWD, Electrical Section Gas Line etc.



## PROGRAMME FEE

Type	Course Fee	GST (18 % GST)	Total
<b>Non-Residential Course Fee</b> (Includes course kit, course materials, breakfast, tea/coffee, lunch)	Rs. 6,800/-	Rs. 1,224/-	Rs. 8,024/-
<b>Residential Course Fee</b> (Includes course kit, course materials, breakfast, tea/coffee, lunch) Accommodation Facility subject to availability (Includes twin bed sharing a/c rooms, to & fro transportation from hotel to MCMCR, dinner)	Rs. 12,300/-	Rs. 2,214/-	Rs. 14,514/-

### Discount on course fees-

1) Group booking: 10% Discount on course fees shall be applicable for group bookings of 3 & more participants, from same organization. 2) Complete advance payment: 5% Discount on course fees for group booking of minimum 20 participants shall be applicable on complete advance payment two weeks at least two weeks prior to start date of the program.

**The payment must be made by DD / ECS / Internet banking.**

**MCMCR Bank Details & UPI Id.**

Bank A/c Name - MCMCR

Bank Name - State Bank of India (Saki Vihar Branch)

A/c No. 41290716060

IFSC Code - SBIN0018874

MICR Code - 400002387

UPI ID - MCMCRMUMBAI@SBI

**GST DETAILS**

**GST Number : 27AAKAM0711D120**

## REGISTRATION

The training program details & link is available on

**Website:- <https://mcmcr.mcg.gov.in>**

The participants shall fill and Submit the online Registration form.

Note:- In case of unforeseen circumstances, the program may be rescheduled. In such case, the program fee paid by the participants will be adjusted towards the rescheduled program

**Last Date for Registration is 27th February 2025.**

## CERTIFICATE OF PARTICIPATION

On successful completion of the programme, the participants would be awarded a formal certificate.



SCAN & PAY

