

Faculty of Civil Engineering
B.E. Geoinformatics Engineering
(R 2017) Semester – II
GI8211 INTRODUCTION TO MATLAB
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Desktop Computer	30		
2.	MATLAB 9.1	30		

Faculty of Civil Engineering
B.E. Geoinformatics Engineering
(R 2017) Semester – III
GI8311 PLANE AND GEODETIC SURVEYING LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Metric Chain	15		
2.	Cross Staff	15		
3.	Metallic tape (30 m length)	15		
4.	Steel arrows	150		
5.	Prismatic Compass	15		
6.	Plane table with accessories	15		
7.	Dumpy level	15		
8.	Tilting level	15		
9.	Levelling Staff	15		
10.	Theodolite	15		
11.	Ranging rod	150		

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(R 2017) Semester – III
GI8312 CARTOGRAPHY AND GIS LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	i7 computer system with minimum 4GB RAM, 500GB HDD	15		
2.	Standard GIS Software	15		

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(R 2017) Semester – IV
GI8411 REMOTE SENSING AND PHOTOGRAMMETRY LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Light Table	10		
2.	Computer	10		
3.	Spectroradiometer	1		
4.	Pocket Mirror Stereoscope	10		
5.	Mirror Stereoscope	10		
6.	Parallax bar	10		
7.	Digital Photogrammetry Software	5		
8.	Anaglyphic Glass	20		
9.	CAD software	5		

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(R 2017) Semester – IV
GI8412 TOTAL STATION AND GPS SURVEYING LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Total Station equipment	3		
2.	Handheld GPS equipment	3		
3.	Geodectic GPS recevier	3		

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B.E. Geoinformatics Engineering
(R 2017) Semester – V
GI8511 GEO DATABASE LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	i7 computer system with minimum 4GB RAM, 500GB HDD	15		
2.	Standard DBMS software with spatial data handling (PostgreSQL DBMS with postgis)	15		

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(R 2017) Semester – V
GI8512 SATELLITE IMAGE PROCESSING LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	i7 Computer system	15		
2.	Standard Satellite image processing software	15		
3.	Satellite data in different spatial resolution and corresponding Toposheets	15		
4.	A1 size Scanner and Color plotter	1		

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B.E. Geoinformatics Engineering
(R 2017) Semester – VI
GI8611 SPATIAL ANALYSIS AND APPLICATIONS LABORATORY
Requirements for a batch of 30 students

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Desktop Computers	15		
2.	A4 Scanner with minimum of 600 dpi resolution	1		
3.	Printer/ Plotter	1		
4.	GIS software with Spatial, Network and 3D Analysis tools	15		