

Faculty of Civil Engineering

M.Tech. Remote Sensing

(R 2017) Semester – I

RS5111 REMOTE SENSING AND PHOTOGRAMMETRY LABORATORY

(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Light table (A0 size)	6		
2.	Spectroradiometer	1		
3.	Pocket mirror stereoscope	15		
4.	Mirror stereoscope	10		
5.	parallax bar	10		
6.	Computer with Digital Photogrammetry software	10		

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M.Tech. Remote Sensing
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RS5112 SPATIAL INFORMATION SYSTEM LABORATORY
(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Computers	15		
2.	GIS Software with modules	15		

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(R 2017) Semester – II
RS5211 ELECTRONIC SURVEYING LABORATORY
(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Total Station (01 per 5 student)	5		
2.	Geodatic GPS Receiver (01 per 5 student)	5		
3.	Hand held GPS (01 per 5 student)	5		

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RS5212 SATELLITE IMAGE PROCESSING LABORATORY
(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Number of 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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(R 2017) Semester – III
RS5311 MICROWAVE REMOTE SENSING LABORATORY
(Requirements for a batch of 25 students)

Sl. No.	Description of Equipment	Quantity required (R)	Quantity available (A)	Deficiency (R - A)
1.	Open source software - NEST, BEST, BRAT, Commercial software – GAMMA Remote Sensing Software , ENVI software with Sarscape model	25		
2.	Computer with Processor I7 /I5 or equivalent, RAM– 16 GB, External memory 1TB	25		