

5th Short Course on Remote Sensing and GIS in Water Management
PROGRAMME (22-24 May, 2015)

Day 1: Introduction to Remote Sensing and GIS concepts (22 May, 2015)

| Lect. | Time | Topic | Resource Person |
|-------|-----------------|---|---------------------------------------|
| | 09:30PM-10:00PM | Registration and Inauguration | |
| | 10:00PM-10:30PM | Tea break | |
| 1 | 10:30PM-11:30PM | Introduction to GIS | Prof. A.K.M. Saiful Islam, IWFM, BUET |
| 2 | 11:30PM-12:30PM | Introduction to Remote Sensing | Prof. G.M. Tarekul Islam, IWFM, BUET |
| | 12:30PM-02:00PM | Lunch and Prayer break | |
| 3 | 02:00PM-03:00PM | Introduction to water management | Prof. Mashfiqus Salehin, IWFM, BUET |
| | 03:00PM-03:30PM | Tea break | |
| 4 | 03:30PM-04:30PM | Digital Terrain Mapping and analysis and Introduction to Spatial analysis | Prof. A.K.M. Saiful Islam, IWFM, BUET |
| 5 | 04:30PM-05:30PM | Remote sensing systems and digital image processing | Prof. G.M. Tarekul Islam, IWFM, BUET |

Day 2: Techniques of Remote Sensing and Geographic Information System (23 May, 2015)

| Lect. | Time | Topic | Resource Person |
|-------|-----------------|--|---|
| 6 | 09:30PM-10:30PM | Hands-on training on digital image processing | Md. Shahinoor Rahman, JIDPUS and Md. Rashedul Islam, IWFM, BUET |
| | 10:30PM-11:00PM | Tea break | |
| 7 | 11:00PM-12:00PM | Hands on training on Rainfall contour Mapping | Prof. A.K.M. Saiful Islam and Debanjali Saha, IWFM, BUET |
| 8 | 12:00PM-01:00PM | Hands on training on developing ground water level map using geo-statistical analyst | Prof. A.K.M. Saiful Islam, And Debanjali Saha, IWFM, BUET |
| | 01:00PM-02:00PM | Lunch and Prayer break | |
| 9 | 02:00PM-03:00PM | Hands on Training on crop yield estimation using MODIS data | Prof. A.K.M. Saiful Islam, And Md. Rashedul Islam, IWFM, BUET |
| | 03:00PM-03:30PM | Tea break | |
| 10 | 03:30PM-04:30PM | Agricultural application of remote sensing in Bangladesh: A case study | Prof. Sujit Kumar Bala, IWFM |

Day 3: Remote Sensing Applications in Water Management (24 May, 2015)

| Lect. | Time | Topic | Resource Person |
|-------|-----------------|---|--|
| 11 | 09:30PM-10:30PM | Application of remote sensing for planform changes of river | Prof. A.K.M. Saiful Islam and Debanjali Saha, IWFM, BUET |
| | 10:30PM-11:00PM | Tea break | |
| 12 | 11:00PM-12:00PM | Hands on training on surface hydrologic analysis using GIS | Prof. A.K.M. Saiful Islam and Shammi Haque, IWFM, BUET |
| 13 | 12:00PM-01:00PM | Flood hazard monitoring using satellite imagery: A case study | Prof. G.M. Tarekul Islam, and Debanjali Saha, IWFM, BUET |
| | 01:00PM-02:00PM | Lunch and Prayer break | |
| 14 | 02:00PM-03:00PM | (Contd..) | Shammi Haque and Debanjali Saha, IWFM, BUET |
| | 03:30PM-04:00PM | Tea break | |
| | 04:00PM-04:30PM | Course evaluation & Certificate awarding | |