

**Course Name: SAR Data Processing & its Applications**

**Duration: April 04 -03 May 2022**

| <b>Sl. NO.</b> | <b>Lecture Title</b>   | <b>Faculty</b>        | <b>Duration</b>                |
|----------------|--|-----------------------|--------------------------------|
| <b>1</b>       | Basics of SAR Remote Sensing   | Dr. Shashi Kumar      | <b><u>20 to 30 minutes</u></b> |
| <b>2</b>       | SAR Data Processing  | Mr. Ashish Joshi      |                                |
| <b>3</b>       | Emerging Techniques and Applications of Synthetic Aperture Radar (SAR)   | Dr. Shashi Kumar      |                                |
| <b>4</b>       | SAR data Analysis for Urban Applications                                 | Dr. Sandeep Maithani  |                                |
| <b>5</b>       | Applications of SAR in Forestry  | Dr. Hitendra Padalia  |                                |
| <b>6</b>       | Agricultural Applications of SAR remote sensing                          | Dr. Dipanwita Haldar  |                                |
| <b>7</b>       | The utilisation of SAR data in Hydrological Studies                      | Dr. Praveen K. Thakur |                                |
| <b>8</b>       | Geological Applications of SAR Remote Sensing                            | Dr. R. S. Chatterjee  |                                |
| <b>9</b>       | SAR Remote Sensing for Ocean Studies                                     | Dr. Debashish Mitra   |                                |
| <b>10</b>      | Evaluating the Utilisation of SAR data in the Hazards of Land Subsidence | Mr. Hari Shankar      |                                |