
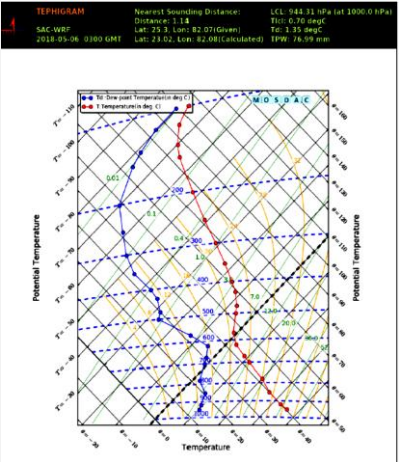


<p>Name</p> <p>Affiliation</p> <p>Qualification</p> <p>Program</p> <p>Duration</p>	<p>Mr. Jay Madhu</p> <p>U V Patel College of Engineering, Kherva</p> <p>B. Tech [Computer Engineering]</p> <p>Data Exploration Program</p> <p>Four months</p>	
<p>Project title</p>	<p>Generation of Tephigram and Analysis of atmospheric stability indices for prediction using INSAT-3D sounder data</p> <p>A Tephigram module was made operationalized at live.mosdac.gov.in using INSAT-3D sounder data. Tephigram for any place in India can be plotted using this module. The Tephigram is useful to forecast cloud height and atmospheric stability, the latter of which is an indicator of the probability of severe weather occurrence. An attempt was made to study the feasibility of using atmospheric stability indices from INSAT-3D sounder data to predict thunderstorms.</p>	 <p>Tephigram for 0300 UTC 06 May 2018 at 23.0 N Latitude and 82.0 E Longitude from INSAT-3D sounder data.</p>