

## BHARATIYA VIDYA BHAVAN'S SARDAR PATEL INSTITUTE OF TECHNOLOGY

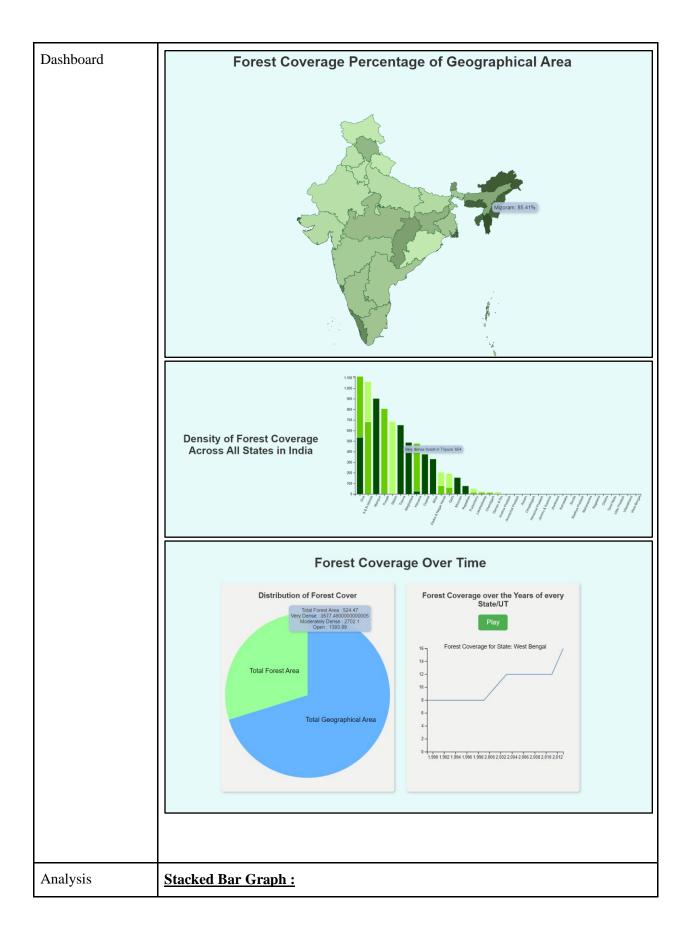
(Empowered Autonomous Institute Affiliated to University of Mumbai)

[Knowledge is Nectar]

## Department of Computer Engineering

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DIV	BE COMPS A Batch G
ADV EXP 8	

AIM	Designing Interactive Dashboards and Storytelling using D3.js on Environment/Forest Cover Dataset
Dataset Particulars	Name: Forest Cover in India
	Link: <a href="https://www.kaggle.com/datasets/arjunprasadsarkhel/forest-cover-in-india/data">https://www.kaggle.com/datasets/arjunprasadsarkhel/forest-cover-in-india/data</a>
	Column Details :
	The dataset contains information about forest areas across different states or union territories (State/UTs) of India. It includes columns for:
	<ol> <li>Geographical Area</li> <li>Forest Categories: Very dense forest, Moderately dense forest, Open forest, Total forest</li> <li>Percentage of geographical area covered by forest</li> <li>Scrub area</li> <li>Historical forest coverage data (from 1987 to 2013)         <ul> <li>[Forest_Coverage_1987, Forest_Coverage_1999 and so on ]</li> </ul> </li> </ol>



	<ol> <li>Goa , A &amp; N Islands , Manipur , Punjab , Sikkim , Tripura , Meghalay are among the top 6 states with Higher Forest Coverage in India .</li> <li>Amongst these Manipur , Sikkim , Tripura are the States with higher percentage if Dense Forests</li> <li>As seen in the India Map of Forest Coverage , The seven sisters ; Eastern Part of india has higher density coverage than many other parts of India .</li> <li>Nagaland , Odisha , Tamil Nadu , Uttar Pradesh , Uttarakhand , West Bengal are the states with lowest Forest Coverage</li> <li>The reason can be rapid industrialization, faster urbanization , rapid civilization</li> <li>Pie Chart :</li> <li>A cleare view of the pie chart shows that about 1/3rd of the total Indian subcontinent [ as of 2013 ] has Fovrest Coverage.</li> </ol>
Conclusion	By performing this experiment I became familiar with making interactive visuals using D3.js and use GeoJson Data for map generation