

 <b>VITS, BHOPAL</b>		<b>VAISHNAVI INSTITUTE OF TECHNOLOGY &amp; SCIENCE</b> <b>DEPT NAME: CIVIL ENGINEERING</b>  <u><b>LIST OF ASSIGNMENTS</b></u>	<b>FORM NO</b>	<b>VITS/A/16</b>
<b>BRANCH</b>	<b>CE</b>		<b>REV. NO</b>	<b>00</b>
<b>SEMESTER</b>	<b>V</b>		<b>REV. DT</b>	<b>0</b>
<b>NAME OF FACULTY: SONALI SONI</b> <b>SUBJECT CODE: (CE- 5001) Transportation Engineering</b>				

### ASSIGNMENTS

1. What is tractive resistances & Permanent way?
2. Principles of Transportation, and transportation by Roads, railways, Airways, Waterways, their importance and limitations?
3. Rails: types, welding of rails, wear and tear of rails, rail creep.
4. Sleepers: types and comparison, requirement of a good sleeper, sleeper density.
5. Rail fastenings: types, Fish plates, fish bolts, spikes, bearing plates, chain keys, check and guard rails.
6. Ballast: Requirement of good ballast, various materials used as ballast, quantity of ballast.
7. Different methods of plate laying, material trains, and calculation of materials required, relaying of track.