

**Lesson Plan for Industrial Management**

Course Name: B.Tech.

Semester: 5th

SUB CODE: ETMS-311

S.No	Topic Details	No of Hours	Reference/text book
<b>First Term</b>			
1.	<p><b>Unit-I:</b>  <b>Industrial Relation:</b>            Definition and main aspects.</p> <p>Industrial disputes and strikes .Collective Bargaining.</p> <p><b>Labour Legislation:</b>            Labour management cooperation /workers participation in management.</p> <p>Factory legislation.            International. International Labour organization.</p>	<p>1</p> <p>3</p> <p>3</p>	T1, T2,R4XXC
\	<p><b>UNIT-II :</b>  <b>Trade Unionism :</b>            Definition,origin, objectives of trade unions .methods of trade unions.</p> <p>Size and finance of Indian trade union size,frequency distribution,factors responsible for small size.</p> <p>Finance source of income, ways of improving finance.</p>	<p>3</p> <p>4</p> <p>3</p>	T2,R3,R4

<b>Second Term</b>			
	<b>UNIT -III:</b> Method study and time study, foundation of work study, main components of method study.  Time study standards, involvement of workers union.  Work sampling, application of work study to office work	4  3  3	T2,R3
3.	<b>UNIT-IV:</b> What is quality, control charts. Quality is everybody job.  Taguchi Philosophy, service quality .  TQM, roadmap for TQM, Criticism of TQM,  Six sigma	2  2  4  2	T2, R1, R3,R4

**Text Books:**

- [T1] Sinha, P.R.N., Sinha I.B. and shekhar S.M .(2013), Industrial Relations, Trade Unions and Labour legislation. Pearson Education
- [T2] Chery, S.N.(2012), production and operation management. Tata Mc Graw Hill Education.

**References Books:**

- [R1] Srivastava, S.C. (2012), Industrial Relations and Labour loss, Vikas publishing.
- [R2] Shankar R(2012), Industrial engg. and Management. Galgotia Publications.
- [R3] Telsang, M. (2006), Industrial engg. and Production Management. S. Chand
- [R4] Thukaram, Rao (2004), M.E., Industrial Management. Himalaya Publishing House.

