

# Government Engineering College, Modasa

## B.E. – Computer Engineering (Semester – VI)

### 3160704 – Theory of Computation

#### LEARNING RESOURCES

##### Video Resources:

Sr.	Remarks	URL
1	Course by Prof. Kamala Krithivasan, IIT Madras	<a href="https://www.youtube.com/playlist?list=PL85CF9F4A047C7BF7">https://www.youtube.com/playlist?list=PL85CF9F4A047C7BF7</a>
2	Course by Prof. Somenath Biswas, IIT Kanpur	<a href="https://nptel.ac.in/courses/106104028/">https://nptel.ac.in/courses/106104028/</a>
3	Playlist of 65 videos on TOC by HHP3 Channel	<a href="https://www.youtube.com/playlist?list=PLbtzT1TYeoMjNOGEiaRmm_vMIwUAidnQz">https://www.youtube.com/playlist?list=PLbtzT1TYeoMjNOGEiaRmm_vMIwUAidnQz</a>
4	Playlist of 114 videos on TOC by Neso Academy	<a href="https://www.youtube.com/playlist?list=PLBlnK6fEyqRgp46KUv4ZY69yXmpwKOlev">https://www.youtube.com/playlist?list=PLBlnK6fEyqRgp46KUv4ZY69yXmpwKOlev</a>
5	Playlist of 64 videos on TOC by Deeba Kannan	<a href="https://www.youtube.com/playlist?list=PLm5OVvSq7SrxwjbCdCA6LbkRzyLN_rWYJ">https://www.youtube.com/playlist?list=PLm5OVvSq7SrxwjbCdCA6LbkRzyLN_rWYJ</a>
6	Gate oriented video tutorials by Ravindrababu Ravula	<a href="https://www.youtube.com/playlist?list=PLEbnTDJUr_IdM__FmDFBjBz0zCsOFxfK">https://www.youtube.com/playlist?list=PLEbnTDJUr_IdM__FmDFBjBz0zCsOFxfK</a>
7	Playlist of 64 videos on TOC by Education 4u Channel	<a href="https://www.youtube.com/playlist?list=PLrjktql3jnm_TWSXXvWX1_jX-L6f1QJSx">https://www.youtube.com/playlist?list=PLrjktql3jnm_TWSXXvWX1_jX-L6f1QJSx</a>

##### Web Resources:

Sr.	Remarks	URL
1	Lecture notes and quiz on TOC by GRADEUP	<a href="https://gradeup.co/computer-science-engineering/theory-of-computation">https://gradeup.co/computer-science-engineering/theory-of-computation</a>
2	Course material on TOC	<a href="https://www.eecs.wsu.edu/~ananth/CptS317/Lectures/index.htm">https://www.eecs.wsu.edu/~ananth/CptS317/Lectures/index.htm</a>
3	Lecture Notes, Assignment and Problems on TOC	<a href="http://infolab.stanford.edu/~ullman/ialc/spr10/spr10.html">http://infolab.stanford.edu/~ullman/ialc/spr10/spr10.html</a>

##### Tools and Software:

Sr.	Remarks	URL
1	Turbo C	<a href="https://turbo-c.apponic.com/">https://turbo-c.apponic.com/</a>
2	Automata Editor	<a href="https://sourceforge.net/projects/automataeditor/">https://sourceforge.net/projects/automataeditor/</a>