

## Spoken Tutorials, IIT Bombay

National Mission on Education through ICT (MHRD, Govt. of India)

*suggested mapping for*

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## Madras Institute of Technology – Anna University (University Departments)

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### *First Year – Common Subjects*

YEAR	SEMESTER	Course / Subject Code	Course Title	Spoken Tutorial software as E-Resource for Learning <a href="http://spoken-tutorial.org">http://spoken-tutorial.org</a>
		PRACTICAL		
i	I	PH9112	Physics Laboratory	
	I	CY9112	Chemistry Laboratory	
	I	GE9113	Engineering Practices Laboratory	
	I	GE9114	Computer Practices Laboratory	<b>Linux; LibreOffice (Writer, Calc, Impress); C;</b>
		PRACTICAL		
	II	GE9161	UNIX Programming Lab	<b>BASH</b>
	II	EC9153	Devices and Circuit Analysis Lab	

MIT – AU

B.E. Department of Electronics and Communication Engineering  
Semester III to VIII

YEAR	SEMESTER	Course / Subject Code	Course Title	Spoken Tutorial software as E-Resource for Learning <a href="http://spoken-tutorial.org">http://spoken-tutorial.org</a>
II	III	EE9218	Electrical Machines Lab	
	III	EC9204	Electronic Circuits Lab	<b>FreeEDA</b>
	III	CS9212	Data Structures and Object Oriented Programming Lab	<b>C++</b>
		PRACTICAL		
II	IV	EC9256	Electronics Circuits – II Lab	<b>FreeEDA</b>
	IV	EC9257	Digital System Lab	

	IV	GE9371	Communication Skills and Soft Skills Lab	
III	V	EC9307	Microprocessor and Micro controller lab	
		EC9308	Digital Signal Processing lab	<b>Scilab</b>
		EC9309	Communication System lab	
	VI	EC9356	Electronic System Design lab	
		EC9357	Medical Electronics lab	
		EC9358	Networking lab	
IV	VII	EC9403	VLSI Design lab	
		EC9404	Microwave and Optical Communication lab	
		EC9405	Mini Project	<b>LaTeX</b>
	VIII	EC9451	Project Work	

**Spoken Tutorial software as E-resource for Learning:-**

**<http://spoken-tutorial.org>**

- LaTeX for Technical Writing of Thesis / Project
- Scilab for Numerical computations – alternative for Matlab
- Perl, Python, Ruby as value addition.

MIT – AU  
B.E. COMPUTER SCIENCE AND ENGINEERING  
Semester III to VIII

YEAR	SEMESTER	Course / Subject Code	Course Title	Spoken Tutorial software as E-Resource for Learning <a href="http://spoken-tutorial.org">http://spoken-tutorial.org</a>
I	II	CS9153	Programming and Data Structures Laboratory	<b>C / C++</b>
		CS9154	Digital System Laboratory	
II	III	CS9205	Database Management System Laboratory	<b>MySQL</b>
		CS9206	Programming and Data Structures Laboratory	<b>C / C++</b>
		CS9207	Algorithms Laboratory	
	IV	CS9255	Microprocessors Laboratory	
		CS9256	Web Technology Laboratory	<b>PHP</b>
		CS9257	Operating System	<b>Linux (Ubuntu / BOSS)</b>

			Laboratory	
III	V	CS 9306	Computer Networks Laboratory	
		CS 9307	Case Tool Laboratory	
		GE 9371	Communication Skills and Soft Skills lab	
	VI	CS 9354	Compiler Laboratory	
		CS 9355	Mobile and Pervasive Computing Laboratory	
		CS 9356	Free and Open Source Software Laboratory	<b>Python / Perl / Ruby</b>
IV	VII	CS 9404	Graphic and Multimedia lab	<b>Blender / GIMP</b>
		CS 9405	Software Development Laboratory	
		CS9406	Comprehension	
	VIII	CS 9451	Project Work	<b>LaTeX</b>

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MIT – AU  
B.TECH. INFORMATION TECHNOLOGY  
Semester III to VIII

YEAR	SEMESTER	Course / Subject Code	Course Title	Spoken Tutorial software as E-Resource for Learning <a href="http://spoken-tutorial.org">http://spoken-tutorial.org</a>
II	III	CS9205	Database Management System Laboratory	<b>MySQL</b>
		CS9206	Programming and Data Structures Laboratory	<b>C / C++</b>
		CS9207	Algorithms Laboratory	
	IV	IT 9253	Embedded Laboratory	<b>Oscad @ FreeEDA</b>
		CS9256	Web Technology Laboratory	<b>PHP</b>
		CS9257	Operating System Laboratory	<b>Linux (Ubuntu / BOSS)</b>
III	V	CS 9306	Computer Networks Laboratory	

		CS 9307	Case Tool Laboratory	
		GE 9371	Communication Skills and Soft Skills lab	
	VI	IT 9355	Mobile Computing lab	
		IT9356	Service Oriented Architecture lab	
		CS 9356	Free and Open Source Software Laboratory	<b>Python / Perl / Ruby</b>
IV	VII	IT 9403	Software Testing Laboratory	
		IT9404	Security Laboratory	
		IT9405	Comprehension	
	VIII	IT 9451	Project Work	<b>LaTeX</b>

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MIT – AU  
B.E. BIOMEDICAL ENGINEERING  
Semester III to VIII

YEAR	SEMESTER	Course / Subject Code	Course Title	Spoken Tutorial software as E-Resource for Learning <a href="http://spoken-tutorial.org">http://spoken-tutorial.org</a>
I	II	GE 9161	Unix Programming lab	<b>Linux (Ubuntu / BOSS); BASH</b>
		EC 9153	Devices and Circuit Analysis lab	<b>Oscad / FreeEDA</b>
II	III	BM 9204	Sensors and Measurements lab	
		BM 9205	Biochemistry and Human Physiology lab	
		BM9206	Electronic Circuits lab	<b>FreeEDA</b>
	IV	EC 9264	Integrated Circuits lab	
		BM 9253	Pathology and Microbiology lab	
III	V	BM 9307	Microprocessor and Micro controller lab	
		BM9308	Biomedical Instrumentation lab	
		GE 9371	Communication Skills and Soft Skills lab	
	VI	EC 9308	Digital Signal Processing lab	<b>Scilab</b>
		BM 9355	Internet and Java programming lab	<b>JAVA; Netbeans; Firefox</b>
		BM 9356	Diagnostic and Therapeutic Equipment lab	
IV	VII	BM9404	Hospital Training	
		BM9405	Digital Image Processing lab	<b>Scilab</b>
	VIII	BM 9451	Project Work	<b>LaTeX</b>

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