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Expose students to theoretical and fundamenthe techniques involved	and design methodologies of infutionedia and atal concepts of multimedia, its applications and
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3. Help students learn the issues involved in ca	apturing, processing, manipulating, storing, and
retrieving various kinds of continuous media	a.
4. To understand the image creation.	
5. To work on animation and video.	
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Detailed Syllabus nit-1 troduction to Multimedia: Definition of Multip	al wersity
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Multimedia Hardware: Hardware requirement for multimedia, Macintosh verses PC. The Macintosh platform, PC platform, Connections, Memory and storage devices, input devices, output hardware, Communication devices. Multimedia Software: Basic tools, painting and drawing tools, OCR software, Sound editing programs, Animation devices and digital movies and other accessories, Linking multimedia objects, office suites, word processor, spreadsheets presentation tools, Types of authoring tools card and pagebased, Icon based and time based authoring tools, Object oriented tools Multimedia Software: Basic tools, painting and drawing tools, OCR software, Sound editing programs, Animation devices and digital movies and other accessories, Linking multimedia objects, office suites, word processor, spreadsheets presentation tools, Types of authoring tools card and pagebased, Icon based and time based authoring tools, Object oriented tools Production Tips: Image-creation, making still images, images colors, Image, File format, image Unit-5 editing. Unit-6 Animation and video: Animation-principals of animation, making workable animations, Video, using video, Broadcast video, standard, integrating computer and TVs, shooting and editing video, using recording formats, Video tips. **Text and Reference Book** 1. Multimedia Making It Work, Tay Vaughan, TMH, 5th Edition 2. Multimedia Power Tools, Peter Jerram, M. Gosney, Random House Electronics Publishing, 2nd Edition **Course Outcomes:** After completing the course, students will be able to: 1. Identify different media; representations of different multimedia data and data formats. 2. Analyze various compression techniques. 3. Compare various audio and video file formats. 4. Apply different coding technique for solving real world problems 5. Choose optical storage media suitable for multimedia applications. 6. Apply concept Natural Language processing to problems leading to understanding of cognitive computing.

Department of Computer Applications Facility of Combatel Abblications TUNGLIPS THINGLESITY BALGITA (TIE)

Bachelor of Science (Honors) in Computer Science

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