	J.S. University, Shikohabad Faculty of Information Technology	Value Added Course
		AY: 2022-23

MULTIMEIDA

Learning Outcome:

This Course will provide knowledge of Information Technology

Duration: 30 Hours. (Theory and Practical)

Course Outcome
- Create a well-designed, interactive Web site with respect to current standards and practices
- Demonstrate in-depth knowledge in an industry-standard multimedia development tool and its associated scripting language
- Determine the appropriate use of interactive verses standalone Web applications
- Create time-based and interactive multimedia components Identify issues and obstacles encountered by Web authors in deploying Web-based applications

MODULE-1   **10 Hrs.**
Multimedia: Features of multimedia, Components of multimedia, Web and Internet multimedia applications, Transition from conventional media to digital media, Multimedia Hardware ,Multimedia Software ,Multimedia operating systems , Multimedia communication systems ,**Content Development & Distribution**: Desktop publishing , Multimedia Animation & Special effects (2D/3D animation) , Social Networking & Publishing (Blogging, Facebook, Youtube, Instagram etc.) , Content Distribution Systems (CD/DVD, Internet, Radio, Television)

MODULE-2   **10 Hrs.**
Computer Fonts and Hypertext: Usage of text in Multimedia, Families and faces of fonts, outline fonts, bitmap fonts International character sets and hypertext, Digital fonts techniques, use of software coral draw,phtoskop

MODULE-3   **10 Hrs.**
Image fundamentals and representations: Colour Science , Colour, Colour Models, Colour palettes, Dithering, 2D Graphics, **Image Compression and File Formats** :GIF, JPEG, PNG, TIFF, EXIF, PS, PDF, Basic Image Processing [Can Use Photoshop], Use of image editing software, **Video Compression and File Formats:** Video compression based on motion compensation, MPEG,**Animation:**Computer Animation, Morphing.

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REFERENCES

1. Tay Vaughan, "Multimedia making it work", Tata McGraw-Hill, 2008.
2. Rajneesh Aggarwal & B. B Tiwari, "Multimedia Systems", Excel Publication, New Delhi,2007.
3. Li & Drew, "Fundamentals of Multimedia" , Pearson Education, 2009. SUPPLEMENTARY READING
4. Parekh Ranjan, "Principles of Multimedia", Tata McGraw-Hill, 2007
5. Anirban Mukhopadhyay and Arup Chattopadhyay, "Introduction to Computer Graphics and Multimedia", Second Edition, Vikas Publishing House.
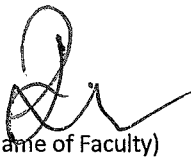
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Course Coordinator Dean Academics Director/Principle/Dean of Faculty/Department