# Scope of Digital Education

GALGOTIAS
UNIVERSITY

# Concept of Digital Education
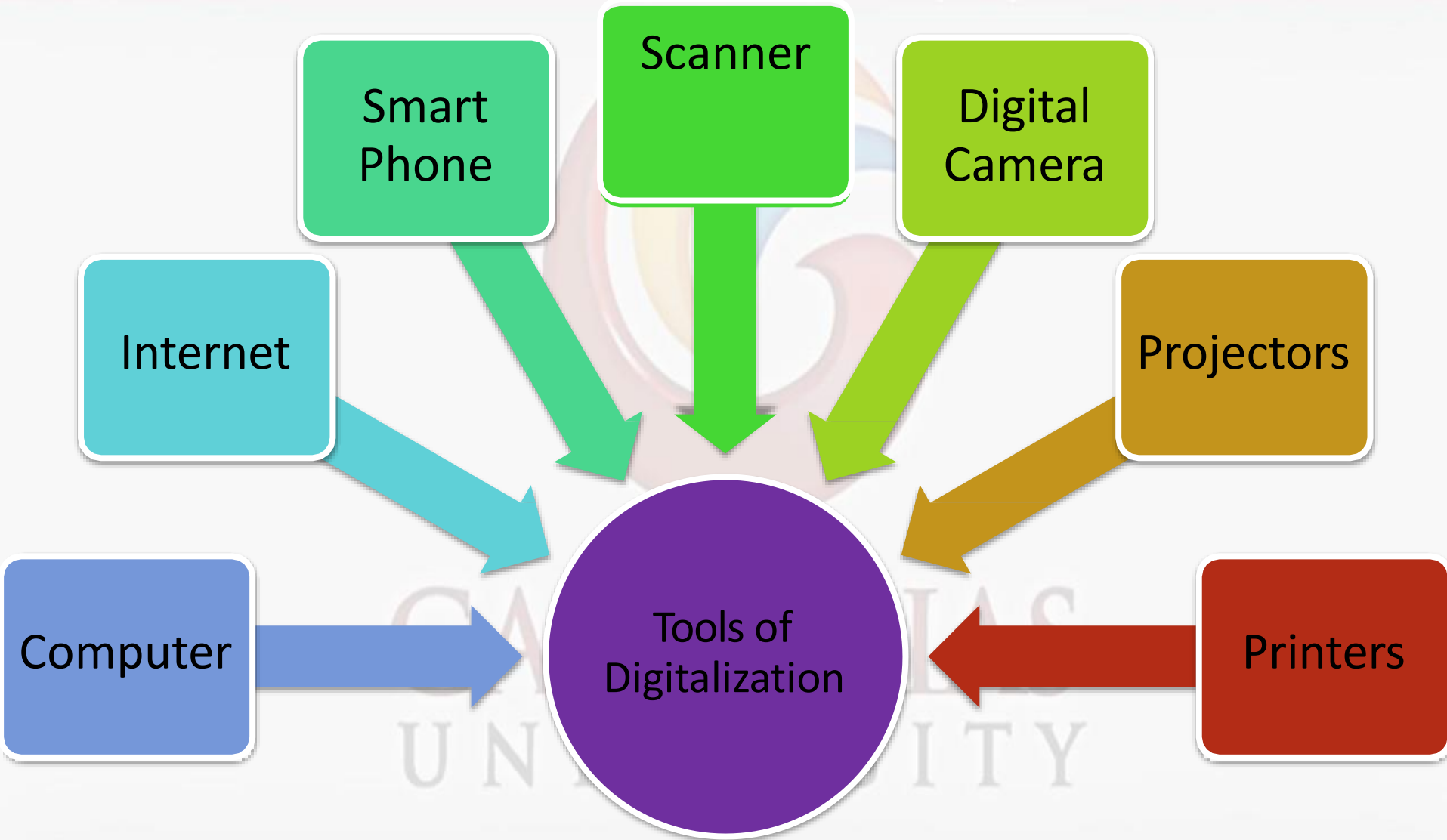
- Digital education means digital learning. It is a type of learning that is supported by digital technology or by instructional practice that makes effective use of digital technology.

- Teachers and professors too find it convenient to prepare their teaching plans aided by digital technology. Teaching and learning becomes a smoother experience as it includes animations, gamification and audio-visual effects.

Smart Phone

Scanner

Digital Camera

Internet

Projectors

Computer

Tools of Digitalization

Printers

Web based Sharing

Digital Material ppt, pdf,docs

Learning Management System

Online Exam

Groups on Social Networking

Online Admission

**Means of Digitalization**
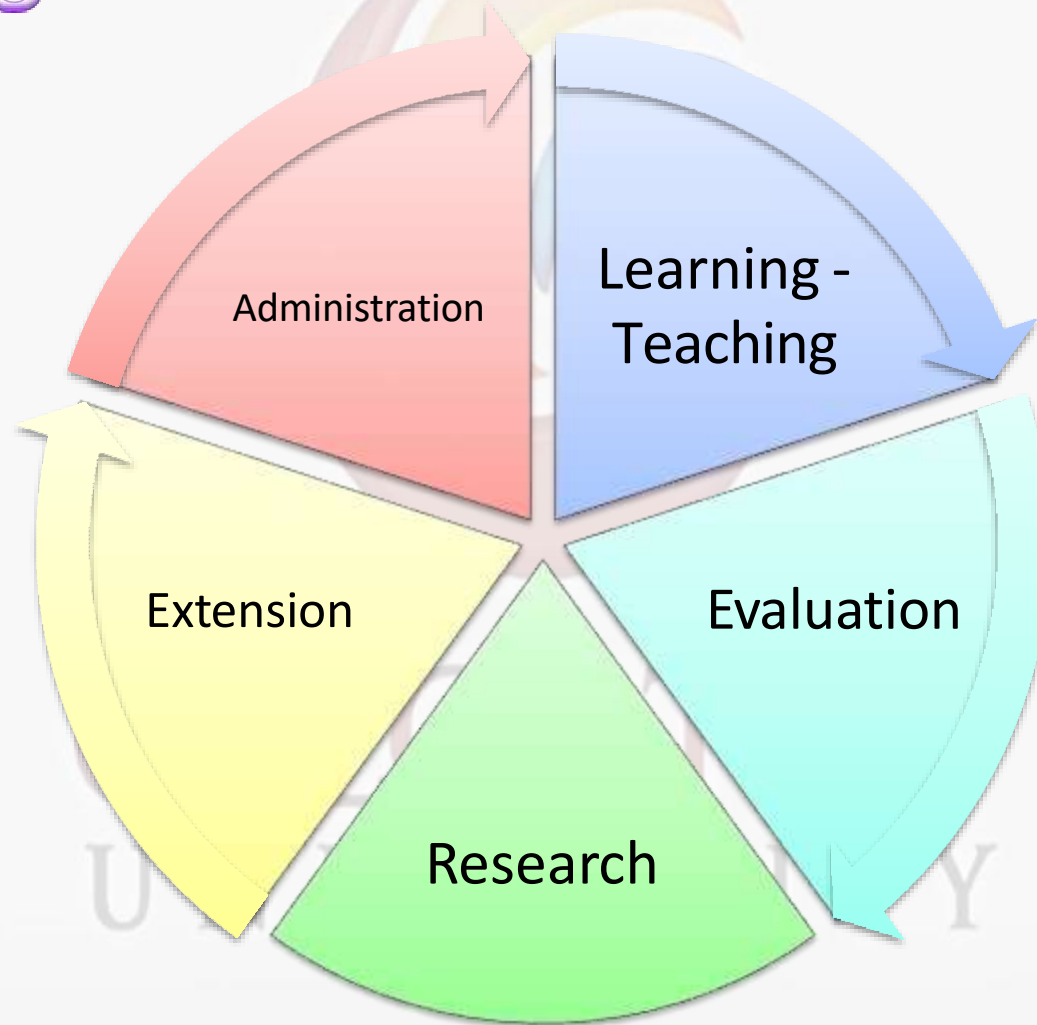
Digital Publication
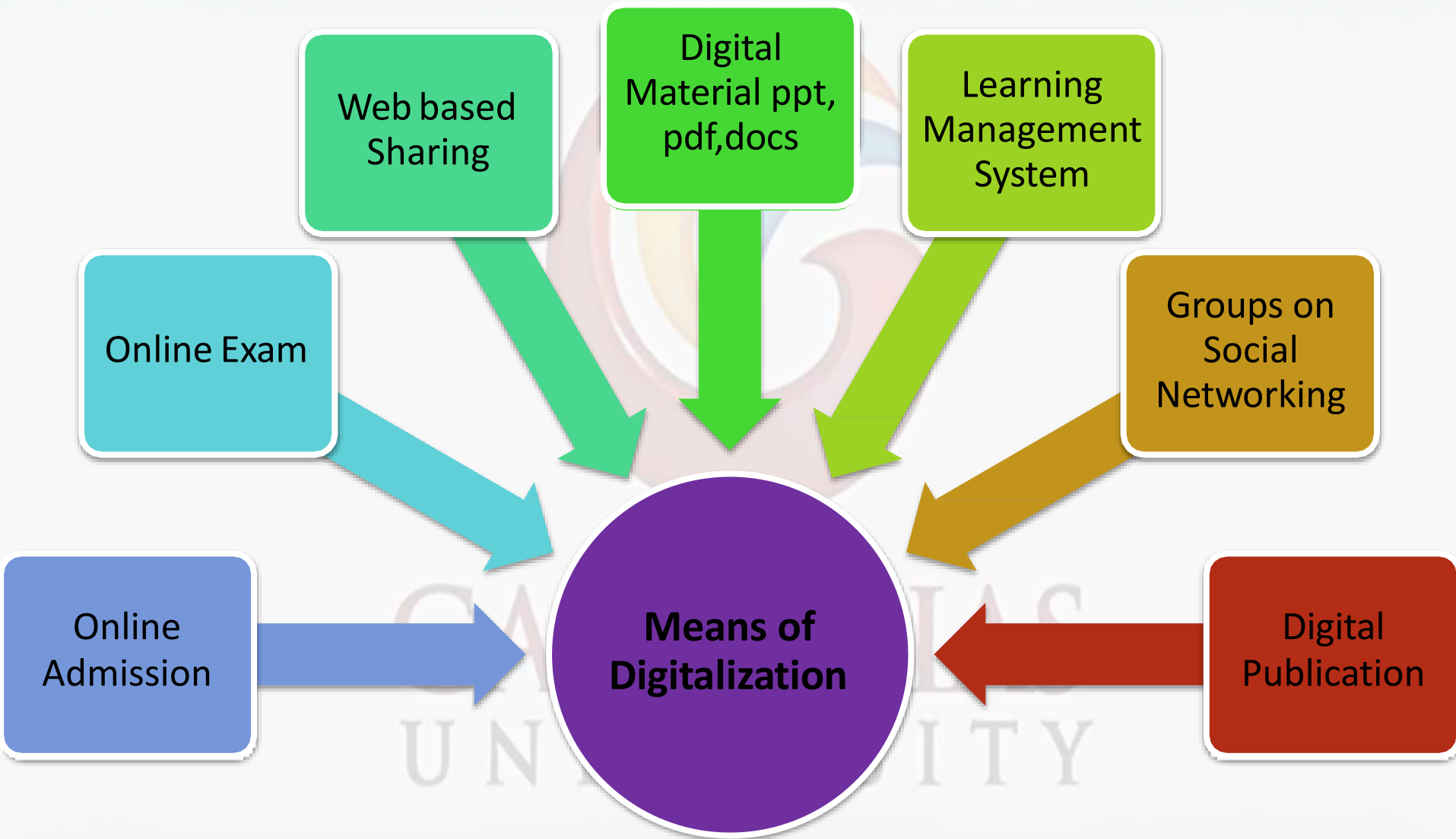
## Scope of Digital Education

- Digital education is fun learning for all cadres and particularly effective for children as the innovative audio-  video feature boosts the cognitive elements in a child's  brain.

- Students view this as a flexible option allowing them to  study as per their time and pace.

- Teachers too find it convenient to prepare their learning  plans well aided by technology.

- Education institutions see the rapid rise in enrolments and  added revenue.

- Teaching becomes a smoother experience with a perfect mesh of personalized packages having a blend of animations, gamification and elaborate audio-visual effects.



ACTIVE USE

Retrieved from U.S. Department of Education 2016 National Education Technology Plan, p. 18, at http://tech.ed.gov/netp/

# Digitalization in Education

# Digitalization of Administration

- Website
- Online Admission
- Management Information System (MIS)
- Online Enquiry
- Online Transcations
- Biometric attendance
- Digitalization of Library
- Office Automation
- Use of Social Networking

## Digitalization of Learning_Teaching

- Execution of LMS

- Development & Distribution of Digital study material

- Use of Blended learning, CAIs etc.

- Setting up e-classrooms, computer labs, language labs etc.

- Availability of educational software.

# Digitalization of Evaluation

- Online Exams – Web-based / LAN-Based / App-Based

- Use of software to scan, asses, arrange, and to prepare result sheets.

- Use of digital communication of tools to communicate result

# Digitalization of Research

- Use of digital tools in the process of research.

- Making use of statistical software in data interpretation

- Making available a softcopy of research documents.

- Communicating  research by using digital tools like blog, websites, social networking etc.

# Digitalization of Extension

- Preparing digital resources useful to the community on social issues e.g. Documentaries, mobile videos, photo slides on *Swacch Bharat Abhiyaan, Sarva Shiksha Abhiyan*, Welfare schemes etc.

- Making socially useful posts on social networking and spreading.

- Taking help from local community to prepare welfare digital resources.

# Challenges of Digital  Education

- <span style="color:red">Digital illiteracy and infrastructure-</span> The  majority of the Indian population  still does   not have  the  required  internet bandwidth and  many are illiterate in digital terminologies  and devices.

- Government of India initiatives like NOFN  (National Optical Fiber Network) connecting   5 lacs villages via broadband till 2017, 25  cities by Wi-Fi by the end of 2015, is a  significant step in this direction.

- Digital education involves effective and efficient <span style="color:red">usage of appropriate and latest hardware and software technology</span> available in the market.

- Through Digital India programme, the government has promised availability of funds for technology implementation.
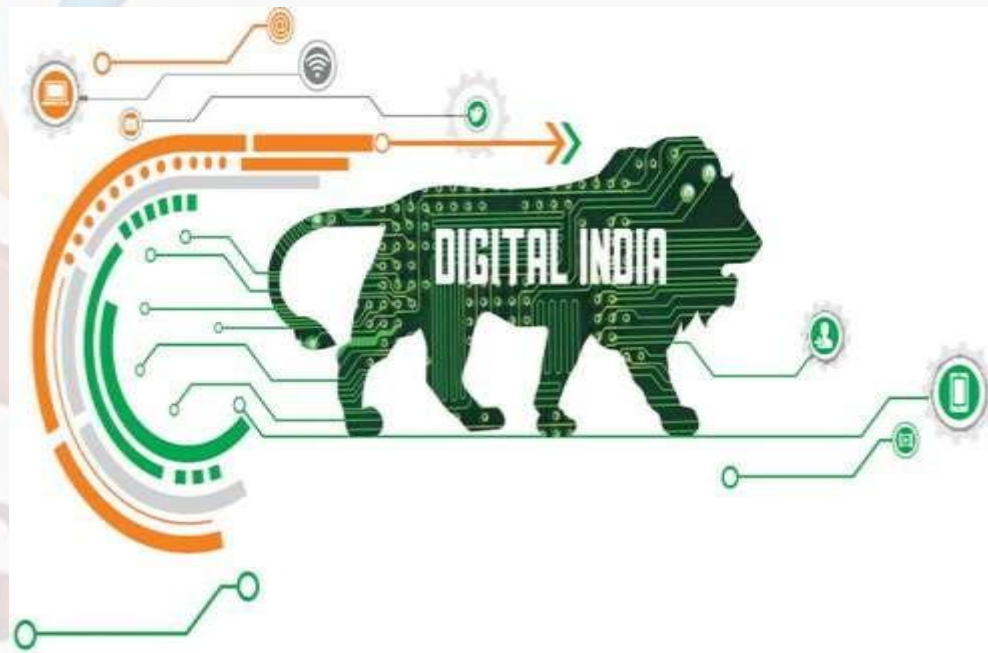
- Education sector in India has seen a series of rapid expansion in last couple of years which helped to transform the country into a knowledge haven. Development of education infrastructure is required for the development of digital education across the country. This will lead to considerable increase in infrastructure investment in the education sector. Democratic governance, English speaking tech-educated talent and a strong legal and intellectual property protection framework are required for the development of digital education in Indian society.

REFERENCES:

- Dowling C., Kwok-Wing Lai (2003). Information and Communication Technology ' Md the Teacher of the Future, International Federation for Information Processing Published by Springer.

- Kulsum, Umme. (2008). Information communication Technology in Education, H. P. Bhargave Book Honse, Agra.

- Laurence, J C. (2006). Impact of Digital Technology on Education, Rajat Publication, New Delhi.

- Rao, Usha. (2005). Educational Technology, Himalaya Publishing House Delhi.

- Sagar, K. (2005). Digital Technology in Education, Author press publication, New Delhi.