



Online and Digital Education: Perspectives of NEP and NCF

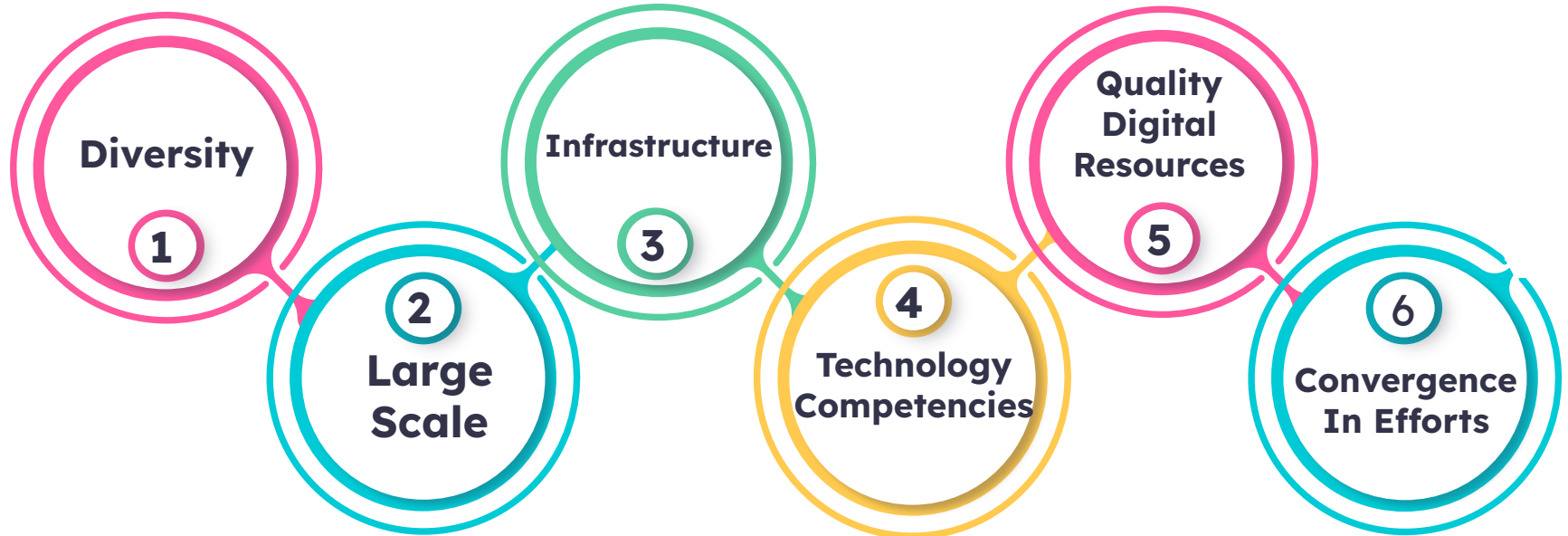
Prof. Indu Kumar
Central Institute of Educational Technology (CIET)-NCERT

Relationship between Technology
and Education is Bi-Directional

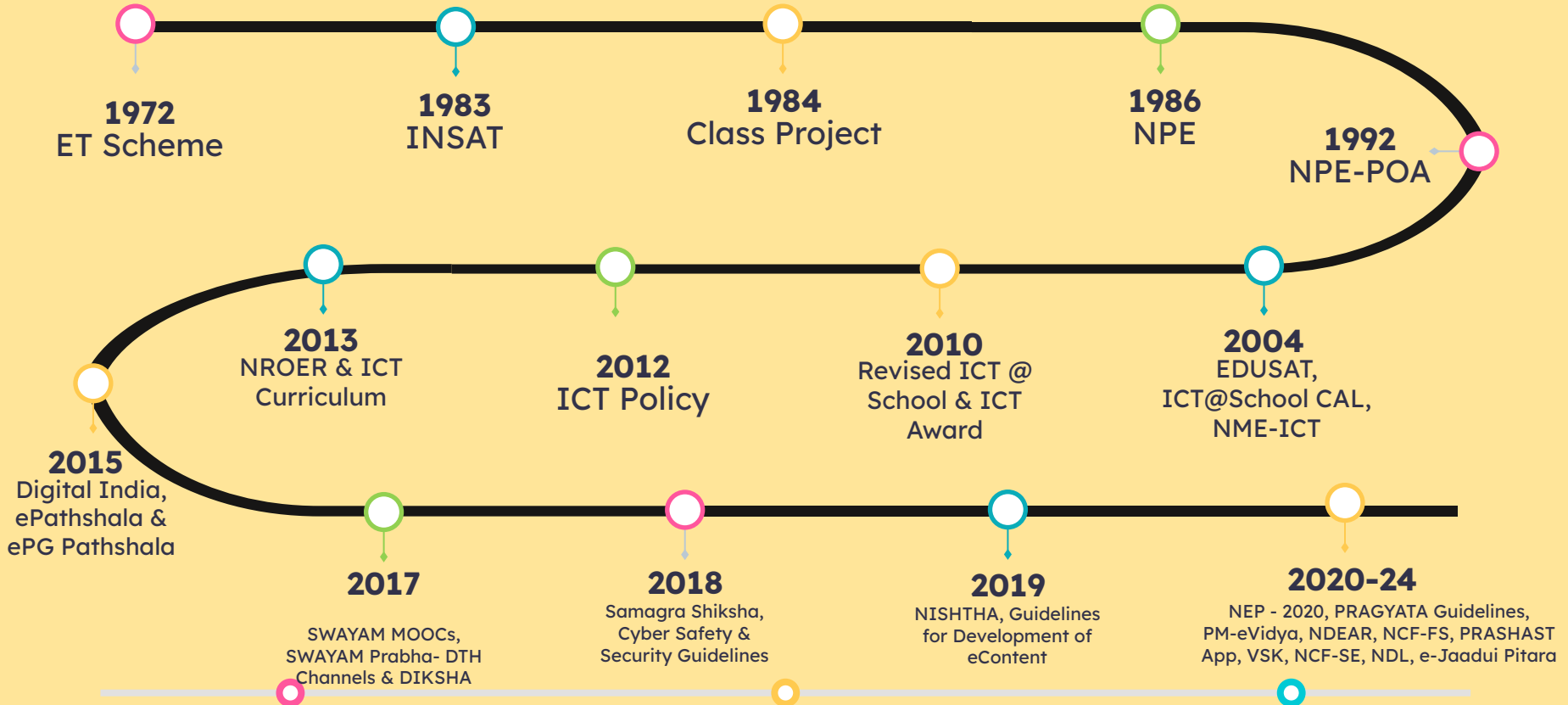
Education

Technology

Issues and Challenges of Implementing Technology in Education

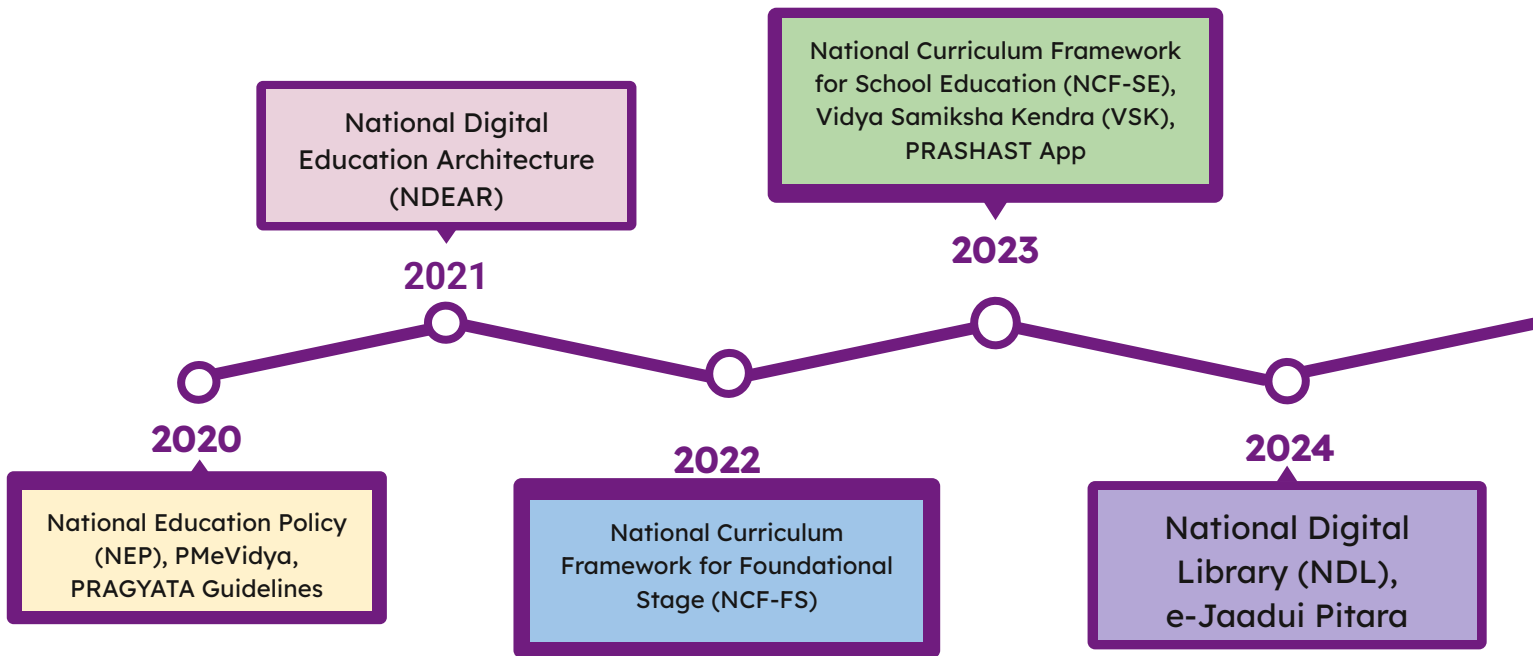


ICT Use in India: Policy Decisions



Cont...

ICT Use in India: Policy Decisions (2020-24)



NEP 2020 recognizes the importance of

01

Leveraging the advantages of technology while acknowledging the potential risks and dangers

02

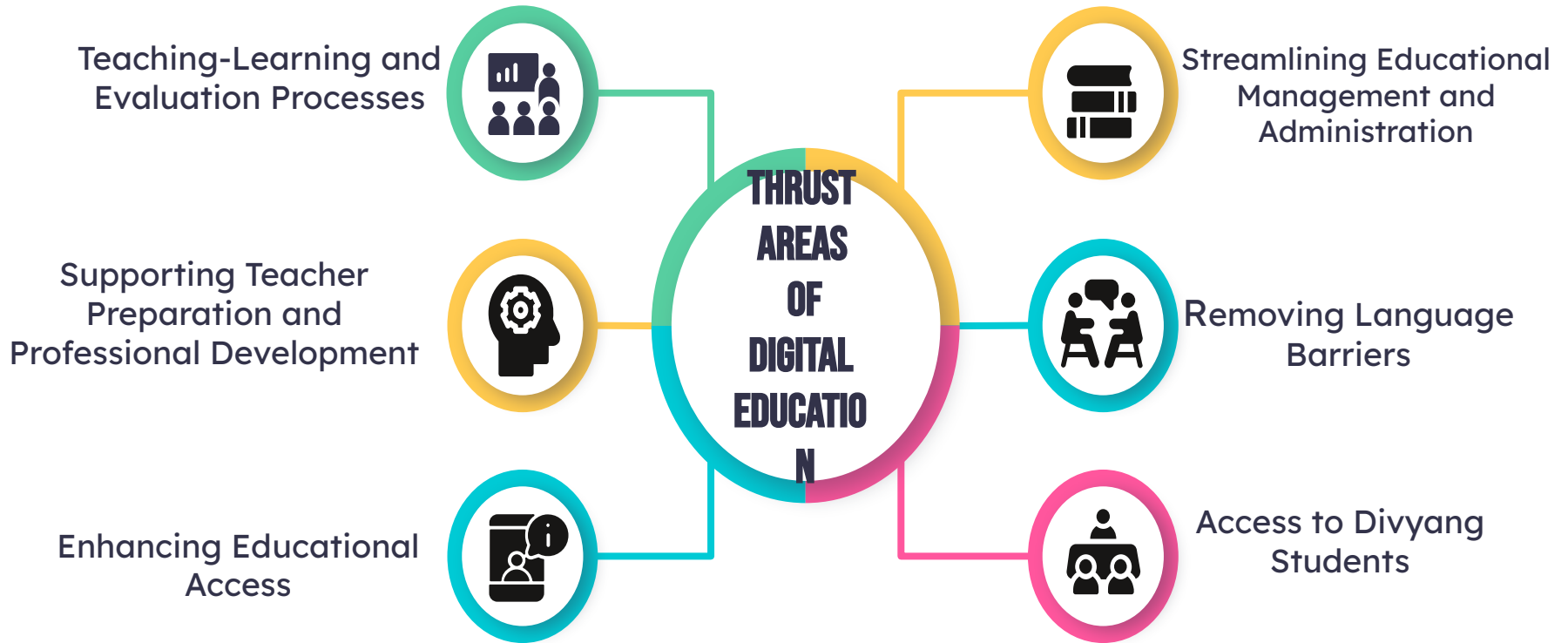
Carefully designed and appropriately scaled pilot studies to determine the benefits of digital/ online education

03

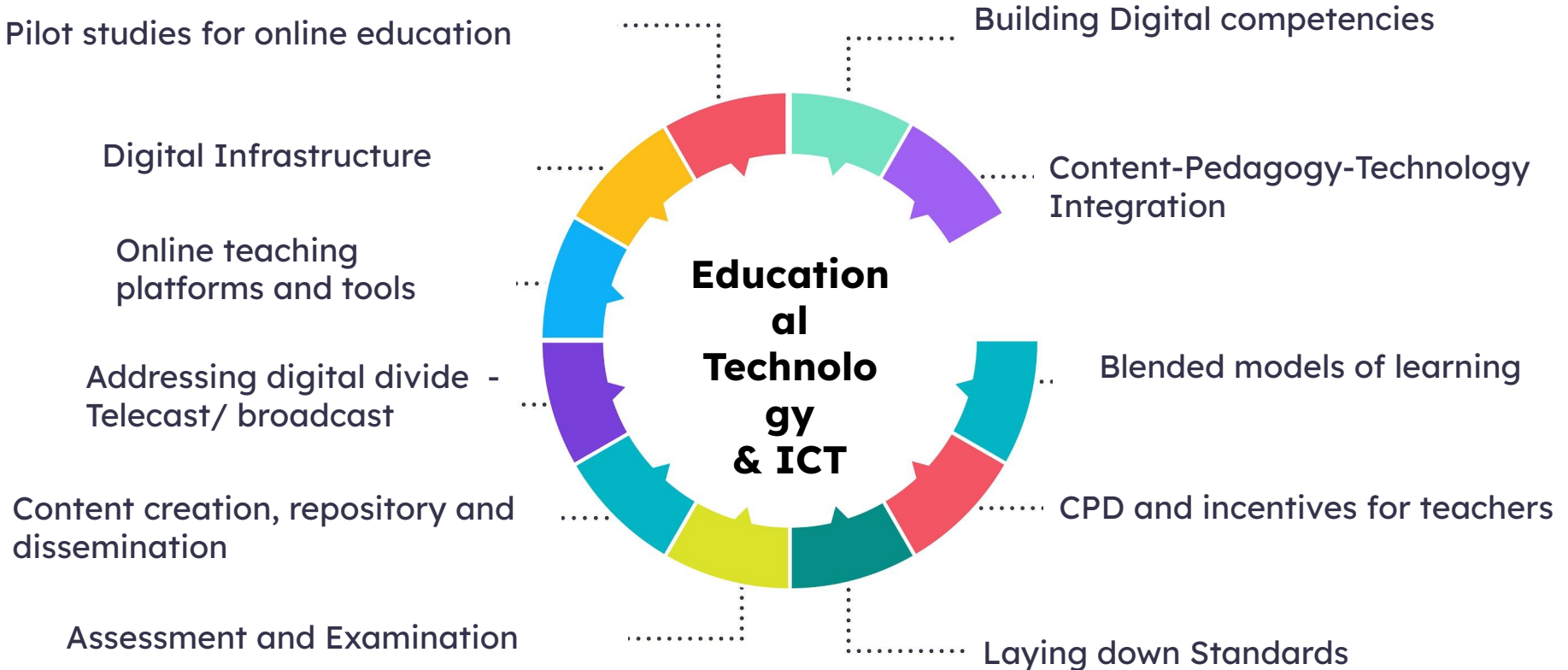
Optimizing and expanding the existing digital platforms and ongoing ICT-based educational initiatives to meet the current needs and future challenges

04

Using technology for online and digital education adequately to address concerns of equity



Recommendations for Online and Digital Education



Major Digital Initiatives



PMeVidya



DIKSHA



ePathshala

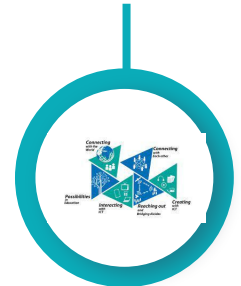
NISHTHA



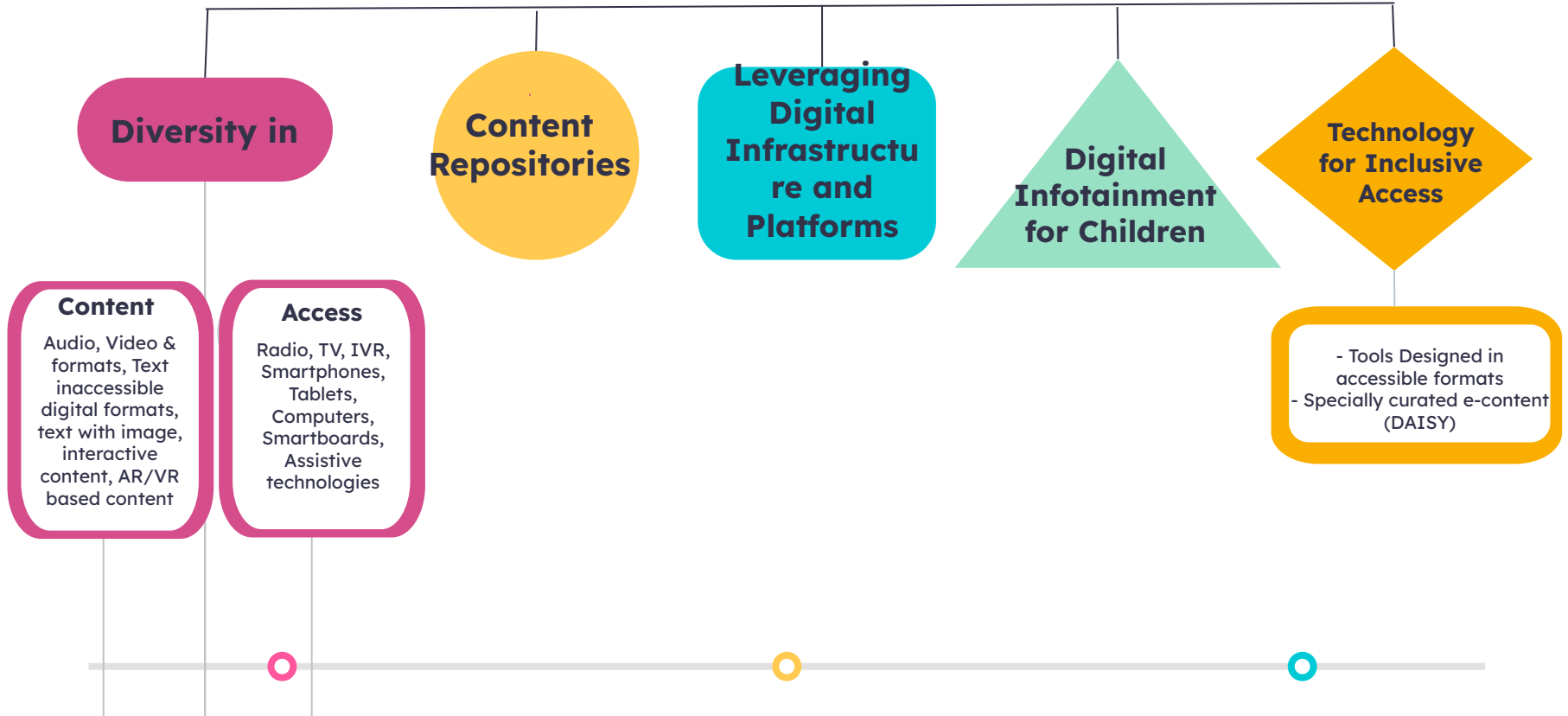
SWAYAM



ICT Curriculum



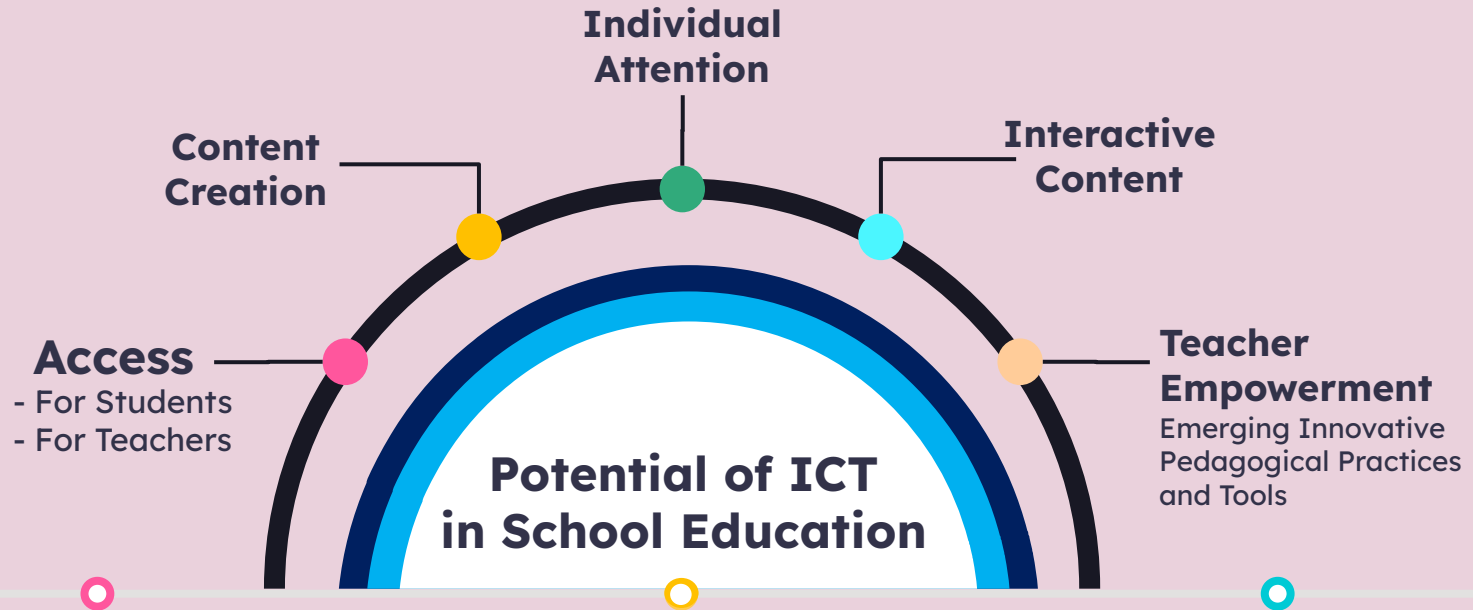
National Curriculum Framework for Foundational Stage (NCF-FS) 2022 and Technology Use



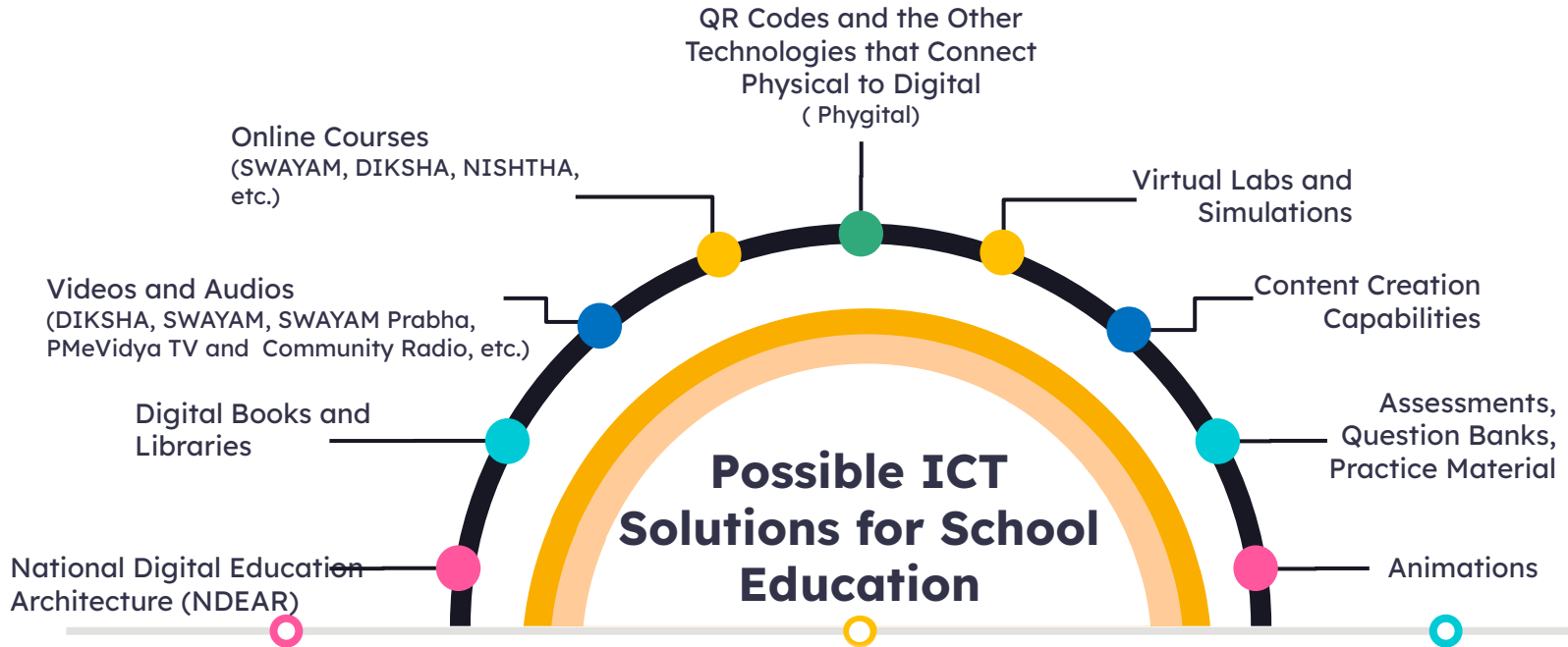
National Curriculum Frameworks for School Education (NCF-SE) 2023 and Technology Integration

Stage of School Education	Approach
Foundational	Use technology as a tool to engage children in interactive and experiential learning experiences, catering to their diverse learning styles and abilities.
Preparatory	Introduce basic technology skills and digital literacy by educational games, interactive multimedia content and simple educational apps.
Middle	Enhance subject learning, promote critical thinking and creativity through Interactive simulations, virtual labs, multimedia presentations and collaborative online projects.
Secondary Stage - 1	Support specialized learning, preparation for higher education and careers using e-books, online courses, virtual reality (VR) for complex subjects, coding platforms and collaborative tools.
Secondary Stage - 2	Facilitate in-depth understanding, research skills and career preparation utilizing online research resources, webinars, advanced simulations and platforms for project-based learning.

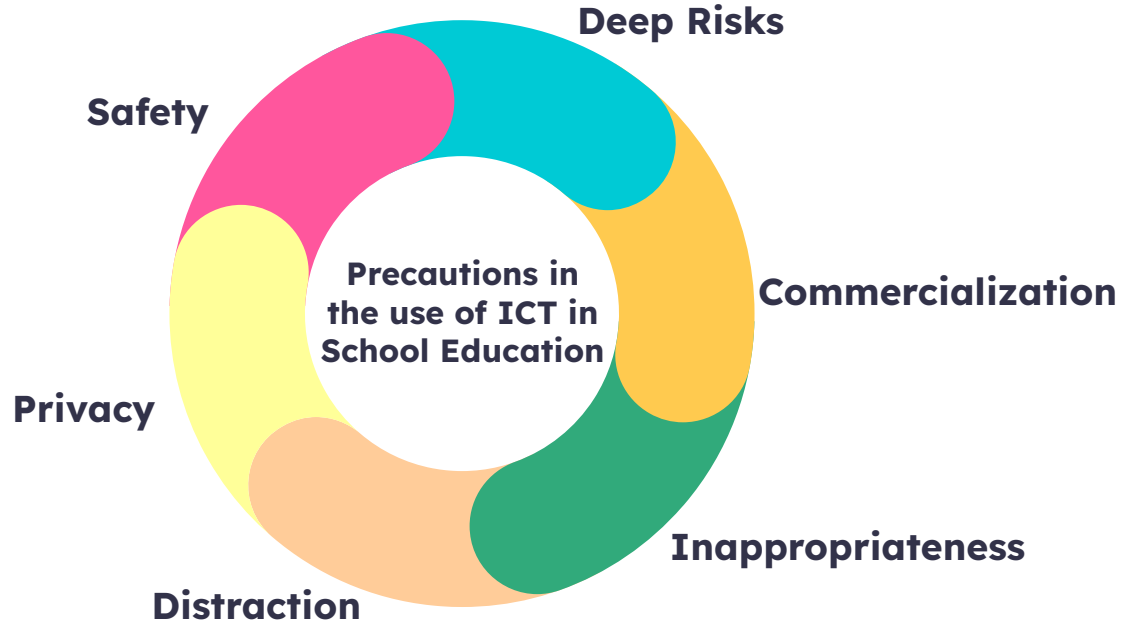
Potential of ICT in School Education



Possible ICT Solutions for School Education



Precautions in the use of ICT in School Education



Thanks!

