

6. Infrastructure Development Plan

Requirement:

- ▶ Proposed 15 year infrastructure development plan
 - ▶ 3 plans, each of 5 years
 - ▶ The plan should consist of existing and proposed infrastructure with financial repercussions and timelines for development
- ▶ **Scope:**
 - ▶ Children from age group 3 months to schools under DEI administrative control in the main campus
 - ▶ DEI main campus
 - ▶ ICT centers



Approach: Infrastructure proposal

End date: Nov 6, 2017

Dec 24, 2016 – Present:
Work Done so far

- **Review of Guidelines:** WCU, QS Star for Infrastructure, Times Higher Education
- **As is Status mapping**
 - **DEI campus and ICT Centers** [QS star & other parameters]
 - **Scope Enhanced:** Children from 3 months to Intermediate (Oct 2017) – as is status data collection extended to Supermen scheme and Schools in Agra

80 %

50 %

End date: Oct 31, 2017

- **Consolidate requirements for next 15 years** [Vision 2031 and aspirations of Departments and internal stakeholders]
- **Collaborating with potential industry partners** for IT options
- **Seeking industry views on effect of new technologies and AI on the education sector to understand new opportunities**

Initiated

25 %

- **Prioritization of infrastructure initiatives** by DEI Top Management
- **Submission of supporting financials**

**NEW VISION,
FOCUS & INSTITUTION
CAPABILITIES**

%
Completed

Key

Completed

In Progress

To be initiated

6. Infrastructure Development Plan:

Details of Infrastructure Elements

Physical Infrastructure

- ▶ Student amenities [**Sports, Student Accommodation, Library, Medical facilities, computers, Cafeteria, Water and Toilet amenities, Common Rooms, Student societies, Training and placement cell, student safety, IQAC, Grievance cell, Facilities for differently-abled students**]
- ▶ Academics [Class Rooms, E Class Rooms, Large Lecture Theatres, Lab]
- ▶ Seminar Hall and Guest House
- ▶ Auditorium
- ▶ Staff seating space
- ▶ Staff Residence
- ▶ DEI Shop (Quantum Jugaad, Souvenir, photocopy, stationery)
- ▶ Alumni Cell
- ▶ Exhibition Hall
- ▶ Storage at multiple spaces
- ▶ Reliable power supply
- ▶ Incubation cell
- ▶ Business Advisory Clinic
- ▶ Terminal Upgradation
- ▶ Maintenance
- ▶ Waste
- ▶ REZ to SEZ

Soft Infrastructure

- ▶ Course Management system
- ▶ Admission system
- ▶ Learning system: Digital library and learning management system
- ▶ Evaluation system
- ▶ Accounting system
- ▶ Administration and HR system
- ▶ Access control – Student and Faculty
- ▶ Time table software
- ▶ Educational Resource planning
- ▶ Free wares and open source softwares
- ▶ Hot Spots

Virtual Infrastructure

- ▶ Private Cloud [Virtualization software]
- ▶ Basic computing [End user computing, Cloud, Server, Storage]
- ▶ In campus networking and communication
- ▶ Internet connectivity
- ▶ Leased connections to ICT Centers

Sustainability Initiatives

- ▶ Biodiversity parks, e-rickshaws for transportation, eco-friendly environment, agricultural fields, e waste park, transport free campus, rain water harvesting

Note: Areas in Bold under physical infrastructure are parameters judged in QS star ratings for infrastructure

Guidance

1. Feedback on the approach
2. Would the proposal need to include infrastructure needs of other schools based in other cities?

Pray for guidance, grace and mercy.
