

Completed Projects of E-Infrastructure Division

1.

Project Title	Setting up of Wi-Fi at Allahabad University (AU)
Executive Agency:	ERNET India
Principal Investigator:	Shri Meherban Singh
Address:	5th Floor, Block-I, A Wing, DMRC IT Park, Shastri Park, New Delhi-110053
URL:	http://www.eis.ernet.in/
Project Objectives:	<ul style="list-style-type: none"> • Wi-Fi LAN creation through powerful combination of wired and wireless network technologies enable flexibility, resiliency, ease of access to information, data and services by any Wi-Fi enabled device. • Highly available, secure, scalable and redundant Centralized Wireless Controller Management and Authentication systems at AU, Central site. • Cost-effective network setup with centralized Wireless controller for better management, ease of configuration, dynamic environments and with increased flexibility. • Coverage of around 70 Departments/faculty/buildings/blocks in the campus including Hostels and would serve over 25000 faculty/teachers/students/staff/etc. • Enabling high speed wireless access to Internet and Intranet resources to campus employees, staff, faculty, teachers, students, official visitors, guest on any-time anywhere basis across AU campus. • Improvement of delivery of student-centric services, employee performance and efficiency and real-time access to information, learning material and data. Enable faster and more efficient decision-making at all levels.
Achievements/ Outcome:	<ul style="list-style-type: none"> • A secure Wi-Fi enabled campus network has been set up at Allahabad University with highly available, scalable and redundant Centralized Wireless Controller, Management and Authentication system at NKN/ERNET data center with coverage of around 70 Departments/faculty/buildings/blocks in the campus including Hostels and would serve over 25,000 faculty/teachers/students/staff/etc. • Through the established Wi-Fi network, students, faculty and staff are availing high speed wireless access to Internet and Intranet resources on any-time anywhere basis. This has improved education and learning environment for students and teachers.
Start Date Duration (in months):	28 th March 2015 36 months
Status of Project:	Completed on 27 th March 2018

2.

Project Title	To establish VSAT connectivity for Internet / Intranet access in the North-Eastern States of the Country.
Executive Agency:	ERNET India
Principal Investigator:	Shri Avanindra Singh

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Project Objectives:	<ul style="list-style-type: none"> • The objective of the proposal was to establish C-band VSAT connectivity at 60 institutes in North Eastern part of the country. • These institutes include Jawahar Navodaya Vidyalaya, Kendriya Vidyalaya, ICAR research institutes/colleges and Government organizations/institutes in remote locations of North-Eastern states of the country (i.e., Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Tripura and Sikkim).
Achievements/ Outcome:	<ul style="list-style-type: none"> • The Project has provided connectivity to the sites/user institutions that were deprived of a reliable connectivity. The connectivity has enhanced the efficiency of the institution/department in their respective areas such as: <ul style="list-style-type: none"> ➤ <u>Schools</u>: The connectivity has helped in promoting e-educations in the schools. It has helped students and teachers to access online study material, online labs, submitting online forms, getting examinations results etc. ➤ <u>Agriculture research institutes/colleges</u>: The connectivity has helped in promoting e-Agricultural related activities including dissemination of information on agricultural techniques among researchers and farmer community, promoting research in their respective areas, etc.
Start Date	23 rd March 2015
Duration (in months):	42 months + Extension of 35 months
Status of Project:	Completed on 22 nd August 2021

3.

Project Title	Setting up of Wi-Fi at Utkal University, North East Hill University, Pune and Osmania Universities
Executive Agency:	ERNET India
Principal Investigator:	Shri Meherban Singh
Address:	5th Floor, Block-I, A Wing, DMRC IT Park, Shastri Park, New Delhi-110053
URL:	http://www.eis.ernet.in/
Project Objectives:	<ul style="list-style-type: none"> • To set up and create model Wi-Fi enabled campus network at each University with tier-3 architecture upgraded 10 Gigabit Fiber optic redundant backbone. • Wi-Fi LAN creation through powerful combination of wired and wireless network technologies enable flexibility, resiliency, ease of access to information, data and services by any Wi-Fi enabled device. • Enabling high speed wireless access to Internet and Intranet resources to campus employees, staff, faculty, teachers, students, official visitors, guest on any-time anywhere basis across the campus. • Improvement of delivery of student-centric services, employee performance and efficiency and real-time access to information, learning material and data. Enable faster and more efficient decision-making at all levels.

Achievements/ Outcome:	<ul style="list-style-type: none"> • A secure Wi-Fi enabled campus network has been set up at each University which has enabled high speed wireless access to Internet and Intranet resources to students, faculty and staff on any-time anywhere basis. • It has improved education and learning environment for students and teachers.
Start Date Duration (in months):	23 rd July 2015 (36 months + Extension of 32 months)
Status of Project:	Completed on 31 st March 2021