

Samarth

eGov

PROJECT INITIATIVE BY

MoE, Ministry of Education
Government of India

DESIGNED & DEVELOPED BY

Institute of Informatics & Communication,
University of Delhi



TOP 10

Initiatives of MoE

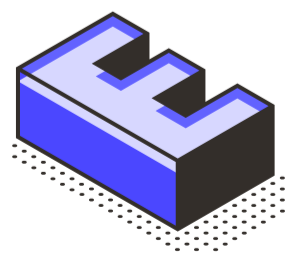
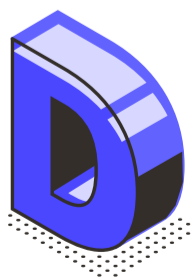
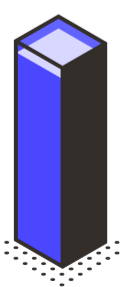
Complete eGov Suite for HEIs

Scan this QR code to learn more

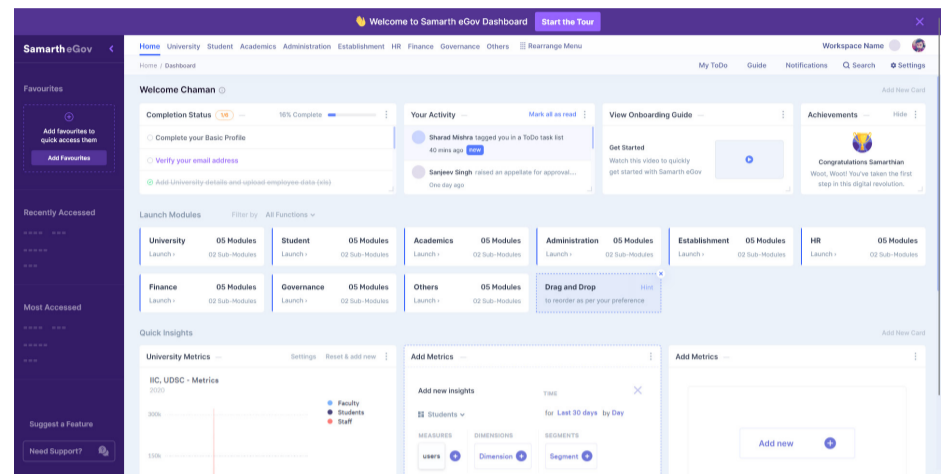
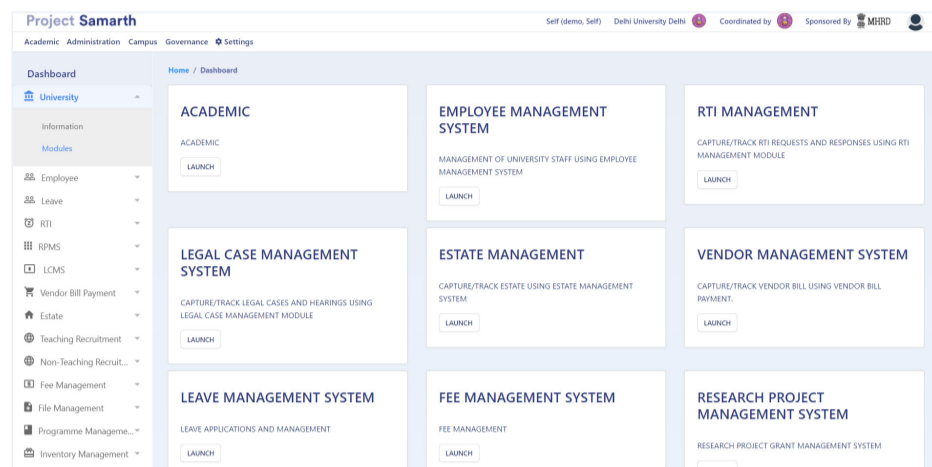


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About Project Samarth



/ 2019

Product Snapshot

/ 2020

Product Snapshot

**An Open Source, Open Standard enabled Robust, Secure, Scalable and Evolutionary
Process Automation Engine for Universities and Higher Education Institutions**

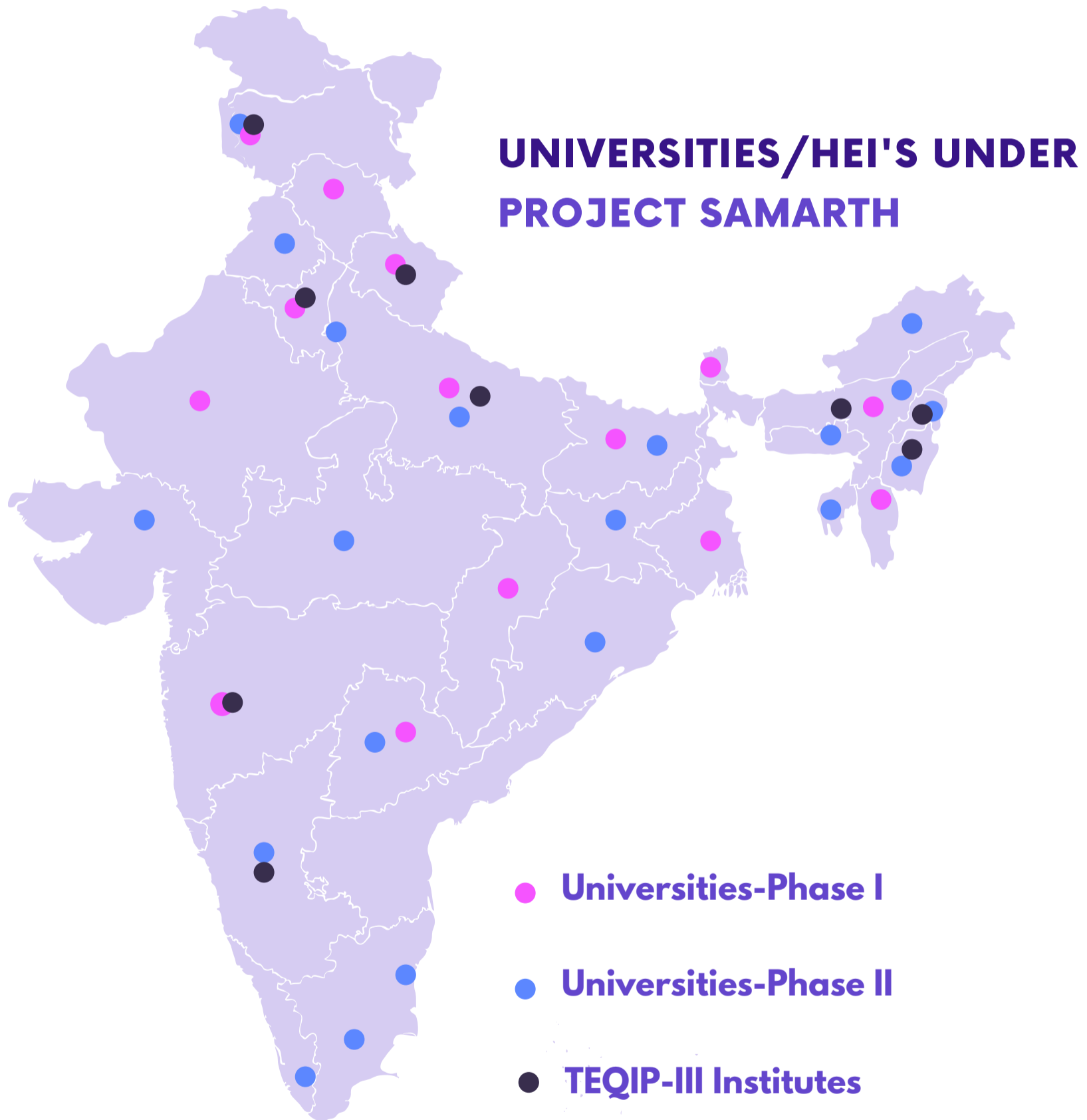
Smarter Automation Engine for Higher Education Institutes

Enterprise resource planning (ERP) systems have been one of the most popular business management systems, providing benefits of real-time capabilities and seamless communication for business processes in large organizations, based on this ideology Samarth eGOV Suite was found primitive to be initiated for Central Universities and HEI's.

Samarth is a University Information Management System project designed and developed by IIC, Delhi University in collaboration with the Ministry of Education, MOE (earlier known as the Ministry of Human Resource Development, MHRD) which aims to implement an automation engine for various universities and HEIs. It has 9 core modules and 40+ sub modules to facilitate the functioning of business processes. Samarth has helped the universities to migrate from paper, unreliable third party ERP systems to a system which is more secure, reliable and scalable.

Presence of Samarth

Based on interactions held with MOE, it emerged that there is a need to provide the developed framework to other Universities & HEIs.



08

Essential Functions
+ 2 Extra Functions

40+

Samarth
Modules

40

Universities
Selected

100%

Automation Engine
for Universities

Why Samarth eGov Suite



24L+

Admission
Applications



4L+

Recruitment
Processed



8K+

Users on
Samarth eGov

What is need to upgrade to digital record keeping:



Open Source

Samarth is An Open Source, Open Standard enabled Robust, Secure, Scalable and Evolutionary Process Automation Engine for Universities and Higher Education Institutions.



SaaS

The architecture of Samarth eGov Suite is SAAS oriented and hence highly scalable.



Secure

Industry leading best practices and compliance with statutory norms to ensure total data and information security



Plug & Play

Works independent of operating systems. All you need is a browser to access and operate the application modules. Quick deployment and easy data migration make for fast adoption.

Features of Samarth

Salient Features

Single Sign-On

Web based Single sign-on with Optional LDAP integration

Cross-Platform

“Samarth” is based on open standards, hence gives the flexibility to choose from the various available platforms for the deployment including Linux, UNIX and Windows.

Interoperability

Each module exhibits great easy while exchanging information, hence a transaction flow, which requires passing through the multiple components can be easily implemented.

Modularity and Scalability

“Samarth” modules can function as independent applications. The modular architecture enables the users to define the functional instance by selecting application modules relevant for the use case. The architecture is SAAS oriented and hence highly scalable.

Security

“Samarth” addresses security at multiple layers. The entire framework works on RBAC (Role-Based Access Control) and requires multilevel authentication for business-critical functions.

Logs

“Samarth” maintains a complete audit trail life cycle for each individual transaction.

A university’s most valuable assets are faculty, students, and staff. Each has distinctive interests within the same organization.

```
3 require File.expand_path("../..", __FILE__)
4 # Prevent database truncation if the environment is production
5 abort("The Rails environment is running in production mode!")
6 require 'spec_helper'
7 require 'rspec/rails'
8
9 require 'capybara/rspec'
10 require 'capybara/rails'
11
12 Capybara.javascript_driver = :webkit
13 Category.delete_all; Category.create
14 Shoulda::Matchers.configure do |config|
15   config.integrate do |with|
16     with.test_framework :rspec
17     with.library :rails
```

Samarth eGov

Modules Snapshot

→ View Samarth docs, scan this QR



UNIVERSITY DETAILS

- OU
- Organigram
- User



ACADEMICS

- Programme
- Academics Management
- Evaluation & Grading
- Research Management
- ToT Management



ADMINISTRATION

- Content Federation System (CFS)
- Affiliation Management
- Endowment Portal
- Research Project Management System
- File Management and Tracking System



HR

- Employee
- Leave Management
- Residence Allocation Management
- CAS
- Knowledge Management



ACCOUNT & FINANCE

- Bill Tracking System
- Fee Management
- Payroll Management
- Budget & Accounts
- Procurement of Goods



ESTABLISHMENT

- Estate Management System
- Inventory Management System



GOVERNANCE

- Minutes Archive & Retrieval System
- Central Data Unit
- Third-Party University Ranking Systems
- University Web Portal



STUDENT RELATED SERVICES

- Student Feedback
- Library Integration
- Grievance Management
- Alumni Portal
- Hostel Management
- Training and Placement
- Student Lifecycle
- Admission



COMMUNICATION MODULES

- Core Communication System
- IT Service Desk (For Computer Centers)



OTHER SERVICES

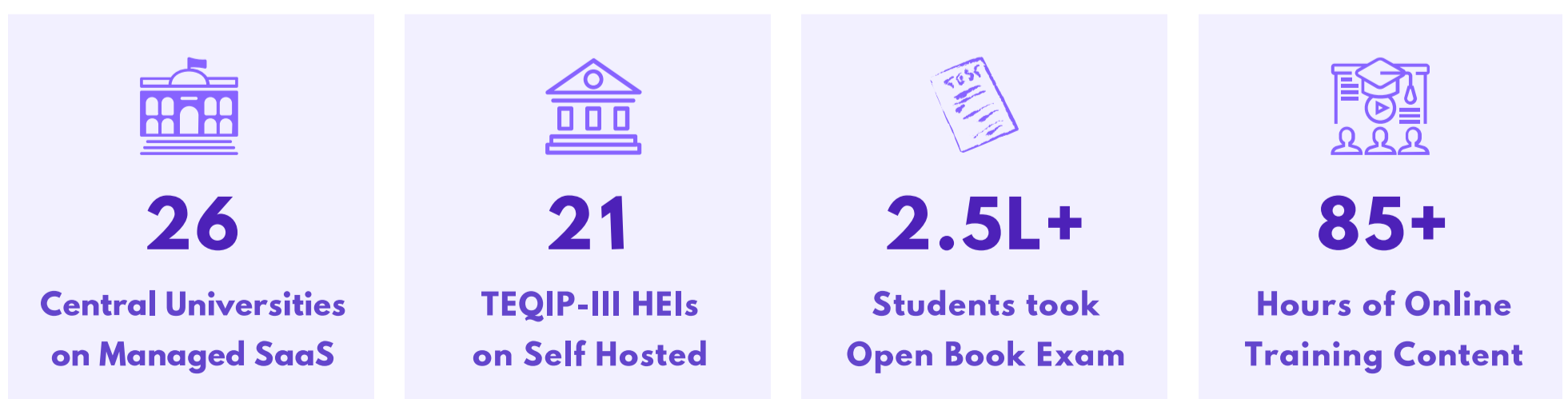
- Sports, Transport
- Health Security, Essential Services

Impact of Samarth

Samarth, currently is successfully implemented & running in 20+ HEIs across India and will see a full-scale implementation in all 40 CUs by March 2021. It has been mentioned in one of top e-gov suite of MoE.



A software's most valuable impacts are the saving of trees and reduced paper consumption which leads to a better future and also going digital is future proof.



Our Digital Presence



Scan this QR Code to learn more

Watch all our recent announcements, useful links, social media accounts and others news at one place.



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Project Group



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PI - Project Samarth



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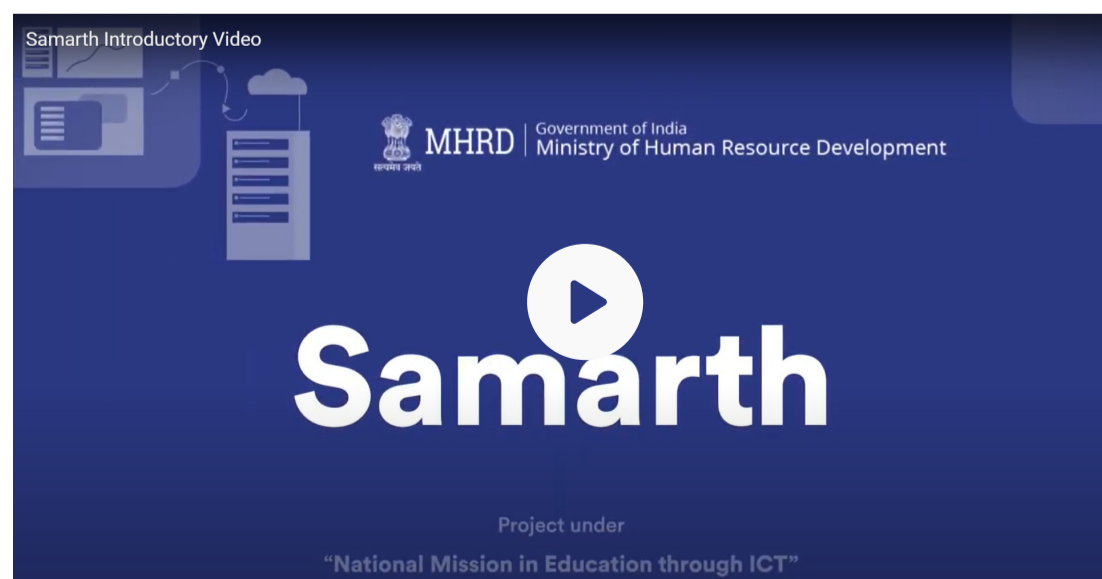
University of Delhi
Co-PI



Ms. Nirmal Marwah

ERNET India
Co-PI

Project Intro Video



Scan QR Code to view this video

Watch our intro video to learn more about the project group and testimonials.

NOTES

Samarth

Thank You!