• MOSIP Functional View (Context setting)

• Modularity & Configurability
  ○ Modularity & Configurability – Key MOSIP Principles
  ○ Modularity in MOSIP
  ○ Configurability in MOSIP

• MOSIP Design Approach
  ○ Configurable ID Object Definition
  ○ Microservices for modularity
  ○ Staged Event Driven Architecture for modularity & configurability
MOSIP Functional View

Key Modules

- Pre-Registration
- Registration Client
- Registration Processor
- ID Repository
- ID Authentication
MOSIP is a generic platform

MOSIP adopters must have the flexibility to choose the features of the base platform to build a fully functional ID system.

MOSIP provides default behavior

MOSIP platform will have only the default behavior. Adopters of MOSIP should be able to configure the behavior as per their requirements.
Modularity in MOSIP

**Platform level modularity**
A MOSIP adopter may choose not to have Pre-Registration module

**Component level modularity**
A MOSIP adopter may choose not to include Finger Print capture in Registration Client

**Feature level modularity**
A MOSIP adopter may choose to implement their own UIN generation algorithm instead of the default
Configurability in MOSIP

**Platform level configurability**
- A MOSIP adopter should be able to define the attributes of an ID
- Languages to be supported

**Component level configurability**
- Adding a new step in processing registration data (for example, integrate with an existing ID system of the country & validate data)

**Feature level configurability**
- Length of UIN
- Date format
MOSIP Design Approach

**Configurable ID Object**
MOSIP adopter can define the attributes an ID must contain as per their requirements. MOSIP will be able to handle and process the data as per the ID Object definition.

**Microservices Approach**
MOSIP has adopted microservices architecture approach to expose its features. This helps achieve modularity and breakdown features to the right level of granularity.

**Staged Event Driven Architecture (SEDA)**
MOSIP has adopted SEDA for Registration Processor module. This helps achieve modularity as well as configurability of the stages.