SmartCBS Product Description Document







Smart CBS – Smart Core Banking Solution

YK Innosoft **SmartCBS** product strategy is geared towards delivering unique value proposition to customers. We complement the **SmartCBS** offering with Net Banking, Mobile Apps for Customer use and Recovery Staff, SEO guidance and Website development.

- Improved return on investment and reduced total cost of ownership
- Standardized and 'simple' processes with high levels of automation and enhanced efficiency
- Flexibility and high level of configuration supporting a variety of banking models
- Ease of integration with in-built service integration capabilities.
- Tailor made for Co-Operative Banks, Credit Societies(MAC's, PACS) and Urban Banks

Key Modules:

- Dashboards: Advance operational efficiencies and user experience by enabling availability of frequently used functions on a single console. The widgets design empower banks to personalize the dashboard for various roles to enhance user productivity.
- Membership Module
- Deposit Modules: Savings, Fixed Deposits, Flex Deposits, Recurring Deposits, Lockers
- Asset Modules: Mortgage Loans, Housing Loans, Project Loans, OD loans, Gold Loans etc...
- Recovery Module
- Reporting module
- Accounting backbone
- ATM ISO 8583 interface support

Core Banking Solution (CBS) is networking of branches, which enables customers to operate their accounts, and avail banking services from any branch of the Bank on CBS network, regardless of where he maintains his account. The customer is no more the customer of a Branch. He becomes the Bank's Customer. Thus CBS is a step towards enhancing customer convenience through anywhere and anytime banking.

How can CBS help Customers?

All CBS branches are interconnected with each other. Therefore, Customers of CBS branches can avail various banking facilities from any other CBS branch located anywhere in the world.

- To make enquiries about the balance, debit or credit entries in the account.
- To obtain cash payment out of his account by tendering a cheque.





- To deposit a cheque for credit into his account.
- To deposit cash into the account.
- To deposit cheques / cash into account of some other person who has account in a CBS branch.
- To get statement of account.
- To transfer funds from his account to some other account his own or of third party, provided both accounts are in CBS branches.
- To obtain Demand Drafts or Banker's Cheques from any branch on CBS amount shall be online debited to his account.
- Customers can continue to use ATMs and other Delivery Channels, which are also interfaced with CBS platform. Similarly.
- Internet banking, Mobile banking services can be availed.

All these aim to provide convenient, efficient, and high quality banking experience to the customers.

How can CBS help Banks?

- Standardization of process within the bank.
- Better customer service leading to retention of customer and increased customer traffic.
- Availability of accurate data & Better use of available infrastructure
- Better MIS and reporting to external agencies such as Govt., RBI etc.
- Increased business volume with better asset liability management and risk management.

SmartCBS - Salient Features

- Developed Specially for Coop. Banks & District Cooperative Banks
- Adapted the flexible and extensible Architecture built using latest JAVA technology frameworks
- SSL 128 Bit Data Encryption (ISO 8583 Standard)
- Choice of Database and Server Operating System
- Speedy Implementation
- Highly Parameterized and customizable.
- User Definable Products & Charges & Schemes
- Easy User Interface
- Inbuilt Health Monitoring
- Extensive Reporting Capabilities
- Modular & Standardized Interfacing Modules for 3rd party systems





- Speed & Efficiencies in Processing
- Low Total Cost of Ownership
- Inbuilt Delivery Channels
- Customer Relationship Management Features
- Extensive Audit Trial & Related Controls
- Effective Security management and Disaster Recovery Plans
- Helping improve employee productivity
- Task List aka Maker Approver feature available and this is highly customized

SmartCBS - Advantages

- Bring Cooperative banks at par with the technological platform of the Commercial Banks and match up with these institutions in providing similar kind of services in the hinterland of the country.
- Transparency and regular reconciliation and balancing of books of account to arrest pilferage.
- Once the Banks are on a technology platform they will be in a position to utilize technological solution furthering the financial inclusion initiative in rural India
- The customer of the Banks can avail facilities like Any Branch Banking, etransfer of funds to anywhere of the country, etc.
- Technological solution is expected to release staff members so that there will be more follow-up
 with the customers and also help bring in new customers/ clients to the Banks thus improving
 the business portfolio
- Integration: SmartCBS design is based on open systems, it can seamlessly integrate with third party systems.
- Web based system advantages: Point and click interface; cross platform compatibility; supports all major operating systems; ease of deployment; multiple concurrent users; reduced cost.
- Simple user interface: Allows users to easily navigate from one screen to another through intuitive hyper linking. Users gain access to complete details of customers and accounts with a minimum number of clicks.
- Supports multiple delivery channels: Enables you to widen your reach with support for multiple delivery channels such as internet banking, telebanking, mobile banking, SMS, and ATM.
- Highly secure: Role based access control system ensures that only authorized users have access to specific modules.





- Lower total cost of ownership (TCO): SmartCBS is future proof and can be seamlessly integrated with other applications. With robust architecture and scalability, it ensures protection on your investments.
- Highly scalable to meet the bank growth needs

Modules List

S.No	Group	Module
1	Liability Products	Membership
2		Savings
3		Fixed Deposits
4		Recurring Deposits
5		Daily Deposits - Agent Driven Savings deposits
6		Flex Deposits or Sweep In/Out deposit
7		Current Account
8		Lockers
9	Asset Products	Mortgage Loans
10		Deposit Loans - Loans on FD and RD
11		Gold Loans
12		Personal Loans
13		Vehicle loans
14		Education loans
15		Agriculture & farmer loan
16		Over Draft Loans
17	Accuracy and Accountability	Task List - maker and approver concept
18		Employee Services
19		User authentication and authorization capabilities
20		Single Window Branch support
21	Convenience	Dashboards
22		Transactional SMS and Email alerts
23	Accounting	Accounting module





	Schemes Feature for all products like SB, FD, RD, Lockers and Loans
	Branches support
	Reporting
	Auditing
	Cash Freeze
	Cashier Desk
Recovery	Recovery
	Mobile App for Recovery Agent
MISC	
	Signature & Photo Scan provision
	Cheque copy backup feature
	Periodic Account Statements for Customers
	Support for running Promotional campaign among the customer base - analytics
	Support for CMS compatible reports (transfer to corporate banks accounts directly) generation using templates.
	Alerts Feature - dynamically configuration facility for the user and Bank.
	Quarterly/Half-Yearly/Yearly balance checks and related alerts
	ISO 8583 Interface support for ATM's
	KYC module
	Mobile App for Customer
	Net Banking (View only capabilities)
	Website and minimum SEO
Deployment and Hosting	
	Cloud Support
	Disaster Recovery deployment
	Health Check Scripts - automatic notifications
	Support for hosting CBS in Data Center
	MISC





• SmartCBS Architecture & Technical Spec

Smart CBS - Technology backbone

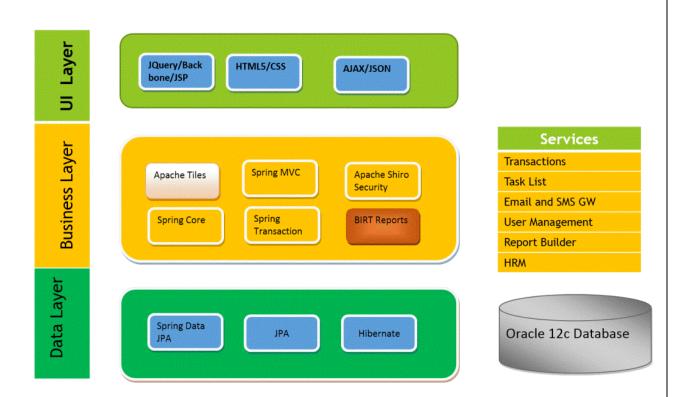


Figure 1: SmartCBS Technology Backbone

Technical Specifications		
Operating System (Server)	Sun Solaris / HP-UX / Red Hat Linux / Windows	
Operating System (Client)	Windows / Linux	
Browser	Mozilla Firefox, Google Chrome, IE8 and above	
Architecture	N-Tier	
Platform	Java and J2EE, Spring MVC framework	
Application Server	JBoss AS 7.1v	
Database	MySQL, Oracle 12c is recommended. Other	
	enterprise databases also supported.	

Figure 2: SmartCBS – Technical Specification







Figure 3: SmartCBS Module View

SmartCBS Modules Overview

Retail Loans

Covers complete loan lifecycle viz., loan processing, approval, disbursement, monitoring, recovery, provisioning, suit filing and closure.

All types of retail loans like Mortgage Loans, Short term loans, personal loans, Housing Loans, Education loans, Vehicle loans, etc.

Workflow processes to suit credit policy.

Flexibility to parameterize new schemes





Product / Services Design

The System has a very powerful product definition environment, which allows fast time to market launch. Product designer incorporates an online audit trail, keeping the product history, along with the evolution of each product in time.

Access Control & Security

The System incorporates multiple security mechanisms, enabling the definition of access control and rights management across the system for every role. Using this powerful mechanism the bank can map its current security (and access rights) measures into the system, and create custom authorization rules for a secure operational environment.

Deposits

System supports an extensive range of deposits (saving accounts, time deposits, under notice, with overdraft capability) in any currency. All deposit products are defined with the "Product Designer", allowing the Financial Institution to design and offer deposit products based on its strategic and operational goals.

MAIN PROCESS

Configuration Login [Admin Login]

- Manage Banks, Branches under specific Bank
- Creation of Schemes (Deposit, Loan)
- Utilities used for Schemes, Admin, Users
- Manage Users for Authentication and Authorization
- System Admin Verification of Daily Events

Operations Login [User Login] – Access can be given exclusively for any particular module if required

- Customers Creation
- Account Opening/ Closing/ Renewal
- Transaction Entry Dr/Cr. (Cash/Transfer/Clearing) At Single Input
- Services used for system transaction, Account Opening
- Inquiry Managers, Transactions, Accounts, Guarantor
- Bills Inward, Outward, Cheques
- Utilities used for NPA, TDS, Charges





DIRECT PROCESSED (Vouchers / Transactions)

- Standing Instructions
- Quarterly / Half Yearly Interest Process
- Dividend Process

Manager's Inquiry

Accounts:

- Account Opened/Closed/Renewed
- Accounts Overdrawn
- Accounts having Credit/ Debit Balances
- Dormant Accounts
- Fixed Accounts Created by Debiting Office Accounts
- Loans Disbursed Above a Particular Amount
- Top N Customers Holding Deposits
- Failed Installment Payments

Miscellaneous:

- Expired Loan Documents
- Expired Security Details
- Failed Standing Instructions
- Cash Statements
- Expired Insurance Details
- Debit to Income Accounts
- Interest Recovered/Paid Above a Given Amount
- General Ledger Variations
- Profit and Loss Variations
- Deposits Maturing Between 2 Dates
- Basic Statistical Returns Period Wise
- Statistical Returns Rate Wise





- Basic Statistical Returns Amount Wise
- Account Turnover
- Database Archive Details
- Cheque Issue/Stop/Revoke/Cancel/Delete Details
- Demand Collection Details

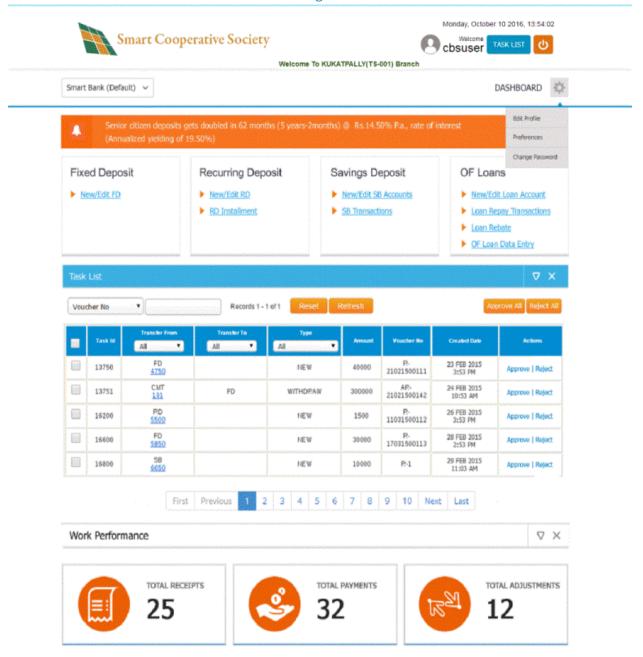
FEATURES

- Fully Mouse Operative and User Friendly
- Validation at All Entry Level
- Online System
- Platform independent all Operating systems are supported (Windows, Linux, Solaris etc...)
- Backup Facility
- Multiple Languages support
- User can design their own reports as per their requirements with report designer
- Data security with various users, password
- User Friendly Screen





- Look and Feel of SmartCBS
 - Dash Board for Clerks and Asst Managers



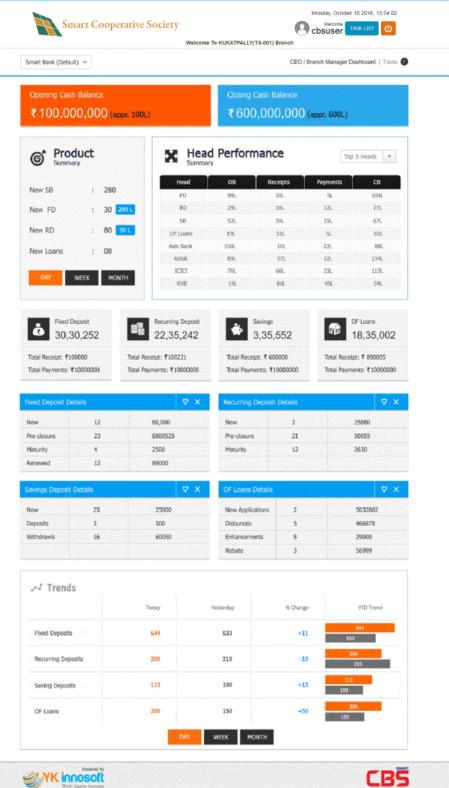
















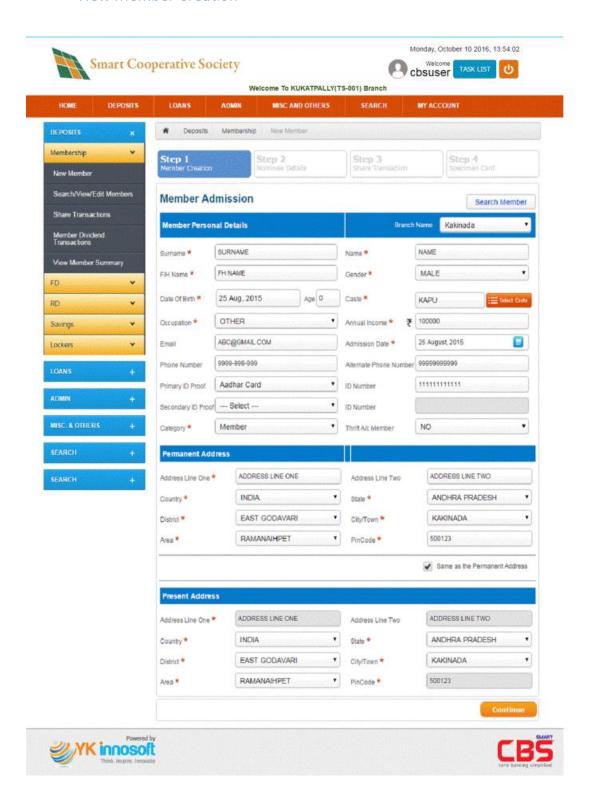
• User Preference Page – Selection of Widgets







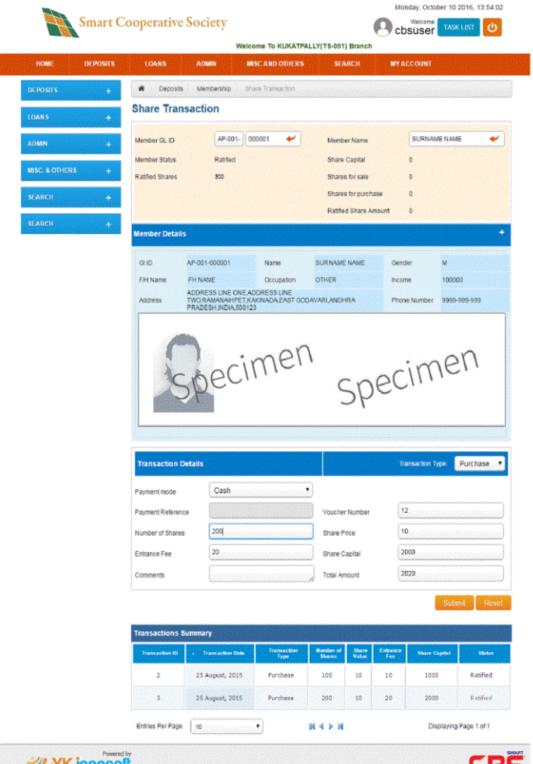
New Member Creation







• Share Transactions



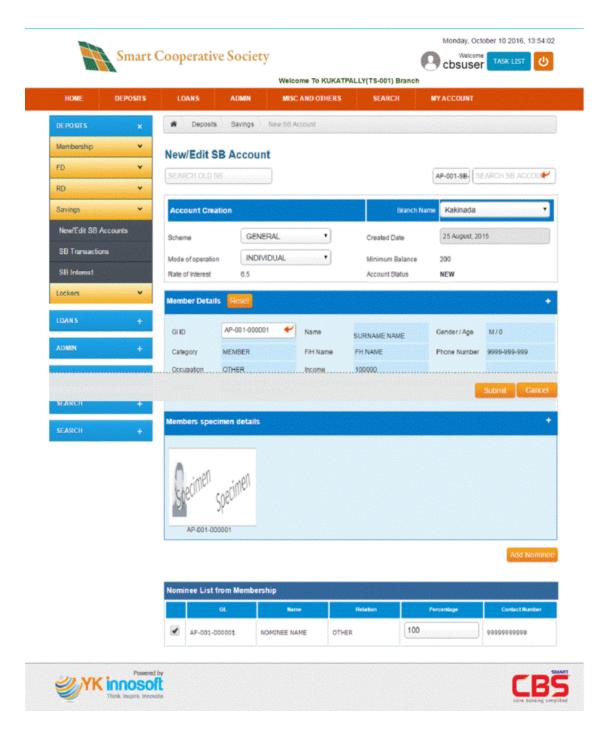








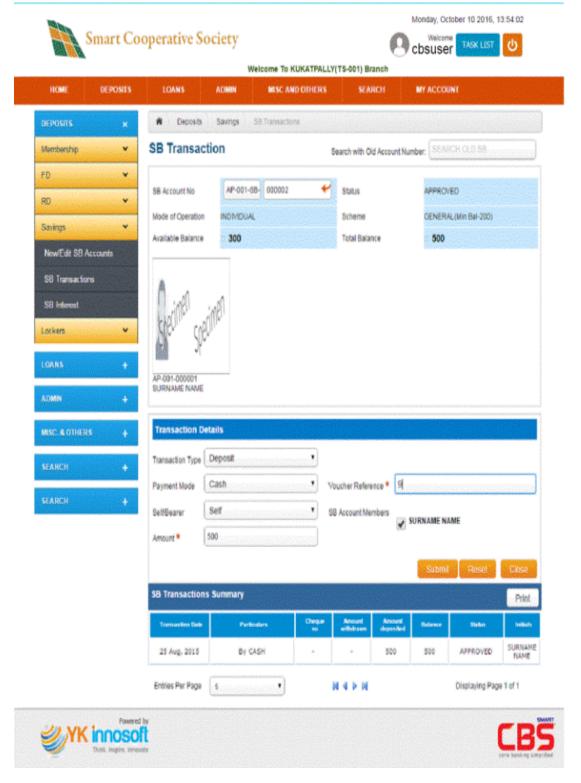
• New Savings (SB) account creation







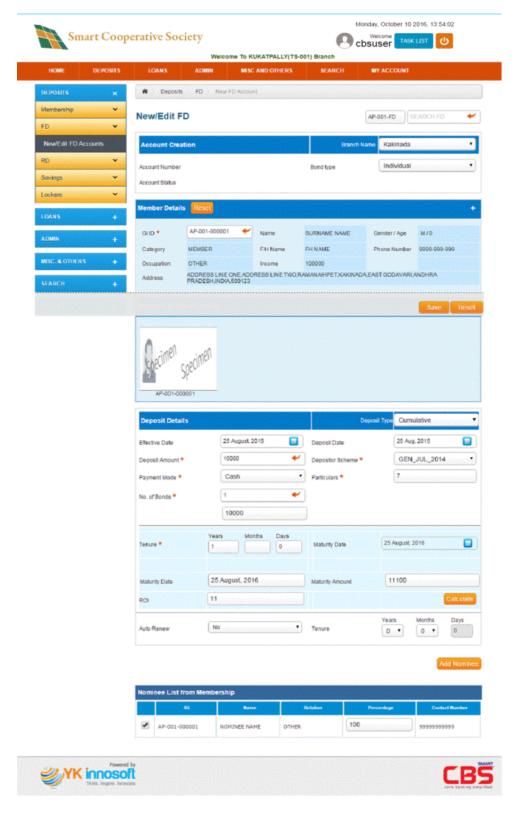
• Savings (SB) transaction







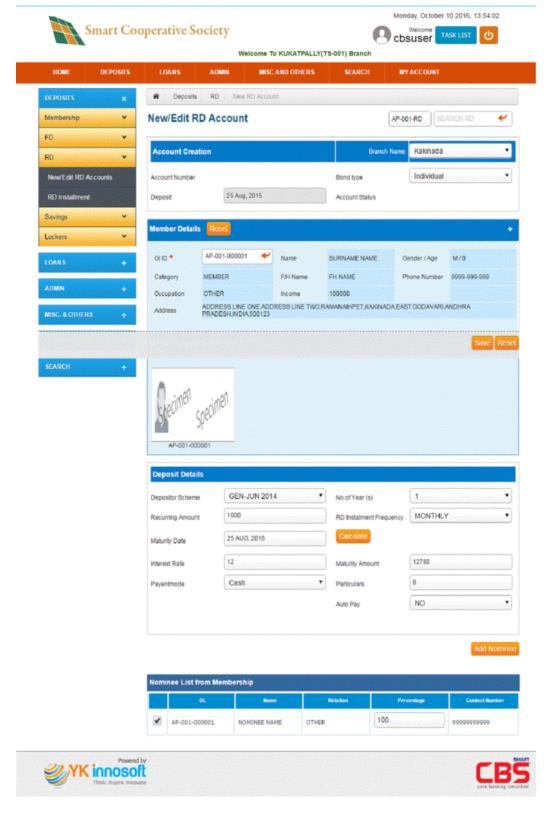
New FD account creation







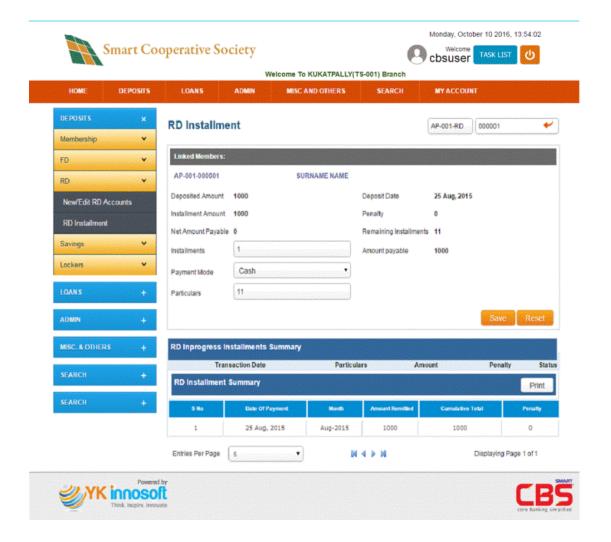
New RD account creation







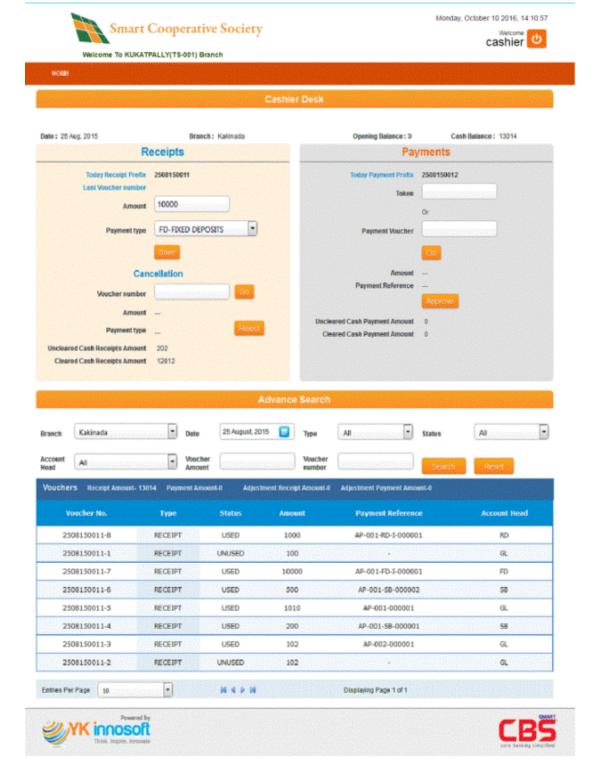
• RD transaction







Cashier Page







New Mortgage loan creation







• Loan Disbursement / Enhancement Disbursement







• Loan Repay Transactions





