

design srs for school management system Updated Version

Design SRS for school management system is a critical step in developing an effective and efficient software solution tailored to meet the needs of educational institutions. A well-crafted Software Requirements Specification (SRS) document serves as a blueprint that guides developers, stakeholders, and project managers throughout the development lifecycle. It ensures that all parties have a clear understanding of the system's functionalities, constraints, and goals, ultimately leading to a successful implementation. In the context of school management systems, which are complex and multifaceted, an SRS helps in defining the scope, features, user roles, and technical requirements in detail. This article explores the essential elements involved in designing an SRS for a school management system, providing a comprehensive guide for educators and developers aiming to create a robust platform.

Understanding the Importance of an SRS for School Management System

An SRS documents the expectations and specifications for the school management software, serving multiple purposes:

- **Clarity and Communication:** Facilitates clear communication among stakeholders, including school administrators, teachers, students, parents, and developers.
- **Scope Management:** Defines what the system will and will not do, preventing scope creep.
- **Foundation for Development:** Acts as a reference point for designing, coding, testing, and maintenance.
- **Quality Assurance:** Ensures the system meets specified requirements, reducing errors and misunderstandings.

Key Components of SRS for School Management System

A comprehensive SRS encompasses several sections, each addressing different aspects of the system. Below are the core components:

1. Introduction

- **Purpose:** Clarifies the intent of the system and the document.

- Scope: Outlines the boundaries of the system, including core functionalities.
- Definitions, Acronyms, and Abbreviations: Explains technical terms and abbreviations used.
- References: Lists related documents or standards.

2. Overall Description

- Product Perspective: Describes how the system fits within existing processes or systems.
- User Classes and Characteristics: Identifies different user roles such as administrators, teachers, students, and parents, along with their access levels.
- Operating Environment: Details hardware, software, and network requirements.
- Constraints: Notes limitations like budget, technology, or regulatory guidelines.
- Assumptions and Dependencies: States assumptions (e.g., availability of internet) and dependencies on other systems.

3. System Features and Requirements

This is the core section where detailed functionalities are specified.

Functional Requirements include:

- Student Management
- Staff Management
- Attendance Management
- Examination and Grading
- Timetable Scheduling
- Fee Management
- Communication Module
- Reports and Analytics
- Notifications and Alerts

Non-Functional Requirements include:

- Performance
- Security
- Usability
- Scalability
- Maintainability
- Backup and Recovery

Designing Functional Requirements for a School Management System

Functional requirements specify what the system should do, and they are typically organized into modules or features.

Student Management

- Register new students with personal and academic details.
- Update student information.
- View student records.
- Enroll students in courses or classes.
- Manage student attendance records.

Staff Management

- Add and update teacher and administrative staff details.
- Assign roles and permissions.
- Manage staff attendance and leave records.

Attendance Management

- Record daily attendance for students and staff.
- Generate attendance reports.
- Send alerts for absenteeism.

Examination and Grading

- Schedule exams.
- Input and update student grades.
- Generate report cards.
- Analyze performance statistics.

Timetable Scheduling

- Create and modify class schedules.

- Assign teachers to classes.
- Manage room allocations.

Fee Management

- Record fee payments.
- Generate fee receipts.
- Send reminders for pending payments.

Communication Module

- Send notifications via email or SMS.
- Announcements for students and parents.
- Messaging between teachers and parents.

Reports and Analytics

- Generate reports on attendance, grades, fees, etc.
- Data visualization dashboards.
- Export data in various formats.

Notifications and Alerts

- Automated alerts for important deadlines.
- Event reminders.
- Emergency notifications.

Defining User Roles and Permissions

A key aspect of SRS for school management systems is detailing user roles, which determine access levels and functionalities.

- **Administrator:** Full access to all system features, user management, and configuration settings.

- **Teacher:** Access to class management, attendance, grades, and communication modules related to their classes.

- **Student:** View personal academic records, attendance, timetables, and communicate with teachers.
- **Parent:** Access to student performance, attendance, fee payments, and communication channels.

Permissions should be explicitly defined to prevent unauthorized access and ensure data security.

Technical and Non-Functional Requirements

Apart from functional specifications, the SRS must address technical constraints and quality attributes:

- **Performance:** System should support concurrent users with minimal latency.
- **Security:** Implementation of authentication, authorization, data encryption, and regular backups.
- **Usability:** User-friendly interfaces with accessibility features.
- **Scalability:** Ability to support growing user base and data volume.
- **Reliability:** System should be available 99.9% uptime with disaster recovery options.

Designing the User Interface (UI) and Experience

While not part of the core SRS document, outlining UI considerations helps align expectations.

- Clear navigation menus for different modules.
- Dashboards summarizing key data points.
- Responsive design for mobile and desktop.
- Consistent branding and color schemes.

Validation and Verification of SRS

Ensuring the SRS accurately captures the system needs is crucial.

- Conduct reviews with stakeholders.
- Use prototypes or mockups for validation.
- Perform traceability analysis to link requirements to design and testing.
- Update the SRS based on feedback and changing needs.

Conclusion

Designing a comprehensive SRS for a school management system is a foundational step toward building an effective solution that streamlines administrative tasks, enhances communication, and improves educational outcomes. By clearly defining functional and non-functional requirements, user roles, and technical constraints, stakeholders can ensure the development process is aligned with the institution's goals. A well-structured SRS not only minimizes misunderstandings and errors but also provides a clear roadmap for developers, testers, and future system maintenance. Ultimately, investing time and effort into creating a detailed and precise SRS will lead to a more successful implementation, delivering a system that meets the diverse needs of schools, teachers, students, and parents alike.

Designing an SRS for a School Management System is a crucial step in the development of an efficient, scalable, and user-friendly platform that caters to the diverse needs of educational institutions. A well-crafted Software Requirements Specification (SRS) document serves as the foundation for the entire project, providing clarity on functionalities, user expectations, technical constraints, and project scope. In this guide, we will explore the comprehensive process of designing an effective SRS for a school management system, highlighting best practices, key components, and practical tips to ensure your project aligns with stakeholders' needs and achieves success.

Understanding the Importance of an SRS in School Management System Development

Before diving into the specifics of designing an SRS, it's essential to grasp why this document is vital. An SRS acts as a blueprint that bridges the gap between stakeholders—such as school administrators, teachers, students, parents, and developers. It ensures everyone has a shared understanding of the system's functionalities and limitations, minimizing misunderstandings and costly revisions later in development.

Key Benefits of a Well-Designed SRS:

- **Clarity and Communication:** Clearly defines system features, user roles, and workflows.
- **Scope Management:** Prevents scope creep by setting explicit boundaries.
- **Design Guidance:** Guides system architecture and UI/UX design.
- **Testing and Validation:** Provides benchmarks for testing and acceptance criteria.
- **Project Planning:** Aids in resource allocation, timeline estimation, and risk management.

Step-by-Step Guide to Designing an SRS for a School Management System

Designing an effective SRS involves a structured approach, encompassing requirement gathering, analysis, documentation, and validation.

- Requirement Gathering and Stakeholder Analysis

Start by identifying all potential users and stakeholders:

- School Administrators: Manage overall operations, reports, and policies.
- Teachers: Access class schedules, student data, attendance, and grades.
- Students: View academic records, attendance, and assignments.
- Parents: Monitor student progress, attendance, and communication.
- Support Staff: Manage admission, fee collection, and other administrative tasks.

Use methods such as interviews, questionnaires, surveys, and observation to gather detailed requirements from each stakeholder group.

- Analyzing Functional and Non-Functional Requirements

Categorize requirements into:

- Functional Requirements: Specific features and behaviors the system must support.
- Non-Functional Requirements: Performance, security, usability, scalability, and maintainability constraints.

This analysis helps in setting clear expectations and technical specifications.

Structuring the SRS Document

An effective SRS should be organized into well-defined sections, each addressing different aspects of the system.

- Introduction

- Purpose: Define the purpose of the system and the scope of the SRS.
- Scope: Outline what the system will cover, e.g., student information management, timetable scheduling, fee management.
- Definitions, Acronyms, and Abbreviations: Clarify terminology used throughout the document.
- References: List related documents, standards, or resources.

- Overall Description

- Product Perspective: Contextualize the system within existing infrastructure or other systems.
- User Classes and Characteristics: Describe different user roles, their access levels, and technical proficiency.
- Operating Environment: Specify hardware, OS, network requirements.
- Constraints: List technical, regulatory, or organizational constraints.
- Assumptions and Dependencies: Acknowledge assumptions made during design.

- System Features and Requirements

This is the core section, detailing each feature in depth.

5.1 User Roles and Permissions

Define roles such as:

- Administrator: Full access to all modules.
- Teacher: Manage classes, grades, attendance.
- Student: View personal academic data.
- Parent: Access child's progress.
- Support Staff: Handle admissions, fee collection.

For each role, specify permissions and restrictions.

5.2 Core Functionalities

List and describe major modules:

- Student Management
 - Enrollment and admission processes.
 - Student profiles and history.
 - Attendance tracking.
- Academic Management
 - Course creation and scheduling.
 - Grade entry and report cards.
 - Attendance and performance reports.

- Staff Management
- Teacher profiles and scheduling.
- Payroll and attendance.
- Fee and Financial Management
- Fee collection and receipts.
- Payment tracking and reminders.
- Communication Module
- Notifications and alerts to students and parents.
- Messaging system.
- Examination Management
- Exam scheduling.
- Result processing.
- Library Management (if applicable)
- Book cataloging.
- Borrowing and return tracking.
- Transport Management (if applicable)
- Bus routes and scheduling.
- Driver and vehicle management.

- Non-Functional Requirements

These define the quality attributes of the system:

- Performance: Response time under load.
- Security: Data protection, access control, encryption.
- Usability: Intuitive UI, multilingual support.
- Scalability: Handling growth in users and data.
- Availability: System uptime targets.
- Maintainability: Ease of updates and bug fixes.

- External Interfaces

Specify interactions with other systems or hardware:

- User Interfaces: Mobile, web, or desktop applications.
- Hardware Interfaces: Barcode scanners, biometric devices.
- Software Interfaces: APIs for attendance devices or payment gateways.

- Data Requirements

Define data storage needs:

- Data models for students, teachers, classes, exams, fees.
- Data validation rules.
- Backup and disaster recovery plans.

- Use Case Modeling

Create use case diagrams and detailed scenarios to visualize interactions:

- Example: ?Parent logs in to view student grades.?
- Example: ?Teacher schedules an exam and enters results.?

This step helps validate functional completeness and identify missing features.

- Validation and Review

Before finalization:

- Conduct stakeholder reviews.
- Validate against initial requirements.
- Update the document based on feedback.

Practical Tips for Effective SRS Design

- Be Clear and Concise: Avoid ambiguity.
- Use Visuals: Diagrams, flowcharts, and mockups improve understanding.
- Prioritize Requirements: Differentiate between must-have and nice-to-have features.
- Maintain Flexibility: Allow room for future enhancements.
- Engage Stakeholders: Continuous feedback ensures the system aligns with expectations.
- Use Standard Templates: Follow recognized standards like IEEE 830 or ISO/IEC/IEEE 26514.

Final Thoughts

Designing an SRS for a school management system is a meticulous process that demands a thorough understanding of educational workflows, stakeholder needs, and technical constraints. A comprehensive, well-structured SRS not only guides developers but also ensures all parties are aligned, reducing risks and fostering a smoother development lifecycle. By focusing on clarity, completeness, and stakeholder engagement, you lay the foundation for a system that enhances administrative efficiency, improves educational delivery, and ultimately benefits students, teachers, and parents alike.

Question What are the essential components to include in a design SRS for a school management system? Key components include user requirements, system functionalities (such as student registration, attendance tracking, grade management), data management, security requirements, user roles and permissions, and system architecture details. **Answer** How do I ensure the SRS for a school management system is comprehensive and clear? By involving stakeholders like teachers, students, and administrators in requirements gathering, using standardized templates, clearly defining functional and non-functional requirements, and incorporating diagrams like use case diagrams for clarity. What are the best practices for designing a scalable SRS for a school management system? Focus on modular design, scalability considerations for user load and data volume, flexible architecture to accommodate future features, and clear documentation to facilitate updates and maintenance. How can I incorporate user roles and permissions effectively in the SRS? Define detailed user roles (e.g., admin, teacher, student, parent) with specific permissions, ensure role-based access control is outlined, and specify scenarios for each role to clarify system behavior. What security features should be included in the SRS for a school management system? Include requirements for data encryption, user authentication, authorization protocols, audit trails, data privacy compliance, and secure communication channels. How do I specify the functional requirements related to student information management in the SRS? Detail functionalities such as student registration, profile management, attendance recording, grade entry, report generation, and integration with other modules like fee management. What non-functional requirements are critical when designing an SRS for school management software? Performance efficiency, system reliability, usability, maintainability, scalability, security, and compliance with data protection regulations are critical non-functional requirements. How can use case diagrams enhance the SRS for a school management system? Use case diagrams visually depict interactions between users and system functionalities, clarifying requirements, identifying system boundaries, and facilitating stakeholder understanding. What tools or software can assist in creating an effective SRS for school management systems? Tools like Microsoft Word, Google Docs, Enterprise Architect, Lucidchart, Visio, and specialized requirements management tools like Jama Connect or Atlassian Jira can aid in creating, managing, and visualizing the SRS.

Related keywords: school management system, software requirement specification, SRS document, system design, educational software, school administration software, functional requirements, non-functional requirements, system architecture, user requirements

Ponnani Sub District School Codes

ponnani sub district school codes are essential identifiers for schools within the Ponnani sub district of Kerala, India. These unique codes play a vital role in streamlining administrative processes, facilitating accurate record-keeping, and enhancing communication between educational authorities, schools, students, and parents. Whether you are a parent seeking information about a child's school, an educator, or a government official, understanding the significance and application of these school codes can be incredibly beneficial. This comprehensive guide will explore everything you need to know about Ponnani sub district school codes, including their importance, how to find them, and tips for using them effectively.

Understanding the Importance of Ponnani Sub District School Codes

What Are School Codes?

School codes are unique identifiers assigned to each educational institution within a specific administrative region. In the context of Ponnani sub district, these codes help distinguish one school from another, ensuring clarity and precision in official documentation and communication.

Why Are School Codes Important?

- **Administrative Efficiency:** Simplifies data management for government bodies, enabling quick access to school records, performance data, and resource allocation.
- **Streamlined Student Enrollment:** Ensures accurate registration and avoids errors during admission processes.
- **Exam and Result Management:** Facilitates seamless coordination of examinations, results, and certifications.
- **Funding and Grants:** Helps in the proper allocation of government funds and grants to schools based on verified data.
- **Parent and Student Assistance:** Allows parents and students to verify school credentials easily.

How to Find Ponnani Sub District School Codes

Official Government Portals

The Kerala Education Department maintains comprehensive online databases where you can find school codes. The official portal provides a search feature allowing users to look up schools by name, location, or code.

School Websites and Contact Details

Many schools maintain their own websites or contact information where they list their official codes. Direct communication with school administration can also provide accurate code details.

District Education Office

Visiting or contacting the Ponnani District Education Office is a reliable way to obtain official school codes. They maintain records and can provide updated lists.

National Educational Data Portals

Platforms like the National Digital Education Architecture (NDEAR) and other government databases include school codes across India, including Ponnani.

Common Uses of Ponnani School Codes

Student Registration and Admission

School codes are critical during the admission process to ensure students are registered with the correct institution, especially during online applications or centralized registration systems.

Examinations and Results

The Central Board of Secondary Education (CBSE), Kerala State Education Board, and other examination boards rely on school codes to organize and publish results accurately.

Transfer and Record Keeping

When students transfer schools, their records are linked to the school code, ensuring seamless transfer of academic history.

Government Funding and Compliance

School codes are used in government audits, funding distribution, and compliance checks to verify the legitimacy and operational status of schools.

Examples of Ponnani Sub District School Codes

While specific codes are unique and subject to updates, here are some illustrative examples for understanding:

- PNN-101: Ponnani Government Higher Secondary School
- PNN-102: Ponnani Model School
- PNN-103: Ponnani Girls High School
- PNN-104: Ponnani Government Primary School

Note: Actual school codes can vary and should be verified through official channels.

Tips for Using Ponnani School Codes Effectively

Keep a Record

Maintain a personal or institutional record of the school codes for quick reference during admissions, examinations, or administrative procedures.

Verify Before Submission

Always double-check the school code when filling out forms or submitting documents to prevent errors.

Use Official Sources

Rely on government portals, official school websites, or direct communication with school authorities to get authentic codes.

Stay Updated

School codes can be revised or updated periodically. Keep abreast of official notifications or announcements from the education department.

FAQs About Ponnani Sub District School Codes

Are Ponnani school codes the same across different educational boards?

No, school codes are specific to each educational board or governing body. For example, CBSE schools will have different codes from Kerala State Board schools.

Can I use the school code to verify the legitimacy of a school?

Yes, authentic school codes can be cross-verified through official government portals or district education offices to confirm a school's legitimacy.

How often are school codes updated?

Updates to school codes are generally made when new schools are established or existing schools undergo administrative changes. It's advisable to verify codes periodically.

Conclusion

Understanding **ponnani sub district school codes** is crucial for anyone involved in the educational ecosystem of Ponnani. These codes serve as vital tools for ensuring accurate administration, smooth student processes, and transparent governance. Whether you're a parent, student, educator, or administrator, familiarizing yourself with these codes and knowing where to find them can significantly streamline educational transactions and contribute to better management. Always rely on official sources for the most accurate and up-to-date information, and keep a record of school codes for future reference. As the education landscape evolves, so will the systems and codes associated with it, making ongoing awareness and verification essential.

Ponnani Sub District School Codes: An In-Depth Overview

Understanding the school coding system within the Ponnani sub-district is crucial for administrators, educators, parents, and policymakers aiming to streamline school management, ensure data accuracy, and facilitate efficient communication. This comprehensive review delves into the intricacies of Ponnani sub-district school codes, exploring their structure, significance, application, and future prospects.

Introduction to School Codes in Ponnani Sub District

School codes serve as unique identifiers assigned to each educational institution within a specific administrative region. In Ponnani sub-district, these codes are vital for:

- Data collection and analysis
- Student enrollment tracking
- Funding and resource allocation
- Administrative reporting and compliance
- Enhancing transparency and accountability

Given the diversity of schools?ranging from government-run primary schools to private institutions?the coding system must accommodate various parameters while maintaining simplicity and uniqueness.

Structure and Format of Ponnani School Codes

Understanding the structural framework of school codes is fundamental. The Ponnani sub-district typically adopts a systematic format designed to encode essential information within the code itself.

Common Format Elements

Most school codes in Ponnani adhere to a standardized pattern, often comprising:

- District Identifier (2-3 digits): Represents the district code, e.g., 'PN' or numeric equivalent.
- Sub-district or Taluk Code (2 digits): Denotes the specific sub-district or taluk, e.g., '01' for Ponnani.
- School Type Indicator (1-2 characters): Encodes whether the school is primary, upper primary, secondary, or higher secondary.
- Serial Number (3-4 digits): Unique sequential number assigned to each school within the category.

Example: `PN-01-PR-0234`

- `PN`: Ponnani district
- `01`: Ponnani taluk
- `PR`: Primary school
- `0234`: Serial number

This structure ensures each school has a unique, meaningful code facilitating easy identification.

Variations Based on School Type

Different school categories may have distinct coding conventions:

- Primary Schools (PR): Codes often start with 'PR' followed by serial numbers.
- Upper Primary Schools (UP): Typically marked with 'UP'.
- Secondary Schools (SS): Marked as 'SS'.
- Higher Secondary Schools (HSS): Denoted as 'HSS'.

Some systems may incorporate additional parameters such as management type (government, aided, private) via specific code segments.

Significance of School Codes in Ponnani

The importance of a well-organized coding system cannot be overstated. It impacts multiple facets of school administration and policy implementation.

Data Management and Analysis

- Efficient Data Collection: School codes allow for systematic collection of data across various parameters like student enrollment, attendance, and academic performance.
- Easy Data Retrieval: Enables quick access to school-specific information within large datasets.
- Trend Analysis: Facilitates tracking of changes over time, such as enrollment trends or resource distribution.

Administrative Coordination

- Simplifies the process of reporting to higher authorities.
- Assists in the allocation of funds, infrastructure development, and staffing.
- Helps in monitoring compliance with government regulations.

Policy Implementation and Monitoring

- Ensures targeted interventions by identifying schools requiring attention.
- Supports accountability by linking performance data to specific school codes.
- Streamlines the process of accreditation and quality assurance.

Parent and Community Engagement

- Improves transparency regarding school identification.
- Assists parents in locating and verifying schools.
- Facilitates community involvement through clear identification.

Application and Usage of School Codes in Ponnani

The practical application of school codes spans multiple domains:

Educational Data Systems

- Integration into government databases like the Unified District Information System for Education

(UDISE).

- Used in online portals for school management and reporting.

Enrollment and Attendance

- Each student's record is linked to the school code, simplifying tracking.
- Attendance registers and digital systems utilize codes for validation.

Resource Distribution

- Allocations for textbooks, infrastructure funds, and teacher postings are based on school codes.
- Ensures equitable distribution aligned with school needs.

Examination and Certification

- Examination authorities assign codes to facilitate exam registration, result processing, and certification.

Legal and Policy Documentation

- School codes are referenced in legal documents, policies, and official correspondences.

Challenges in Implementing and Maintaining School Codes in Ponnani

While the system offers numerous advantages, there are challenges that need addressing:

Data Accuracy and Consistency

- Ensuring that school codes are uniformly assigned and updated.
- Avoiding duplication or errors during data entry.

Integration Across Systems

- Compatibility issues between different databases or platforms.

- Synchronization of codes during administrative transitions or system upgrades.

Management of Private and New Schools

- Incorporating newly established private schools into the existing coding framework.
- Assigning codes in a timely manner to avoid gaps.

Training and Awareness

- Educating administrative staff on proper coding procedures.
- Ensuring understanding of the importance of correct code usage.

Future Prospects and Improvements for School Coding in Ponnani

To enhance the effectiveness of the school coding system, several strategies can be considered:

Adoption of Digital and Automated Systems

- Implementing centralized, cloud-based platforms for code assignment and management.
- Utilizing automation tools to generate unique codes, reducing human error.

Standardization and Uniformity

- Developing comprehensive guidelines for code structure applicable across all schools.
- Ensuring consistency in code assignment, especially during new school registration.

Enhanced Data Integration

- Linking school codes seamlessly with other administrative and academic systems.
- Facilitating real-time updates and data sharing.

Regular Audits and Updates

- Periodic review of existing codes for accuracy.
- Reassigning or correcting codes as necessary to adapt to structural changes.

Community and Stakeholder Engagement

- Informing schools about the importance of correct coding.
- Encouraging feedback to improve the system.

Conclusion

The Ponnani sub-district school codes form the backbone of efficient educational administration within the region. Their structured design, systematic application, and strategic importance underscore their role in fostering transparency, accountability, and data-driven decision-making. While challenges exist, ongoing technological advancements and policy support can significantly enhance the robustness of the coding system. As Ponnani continues to grow and evolve, maintaining a reliable, consistent, and accessible school code system will be crucial for sustainable educational development.

In summary, understanding the nuances of Ponnani sub-district school codes offers valuable insights into the administrative fabric that supports education in the region. Proper implementation and management of these codes will ensure that the region's educational infrastructure remains organized, responsive, and future-ready.

Question What are the school codes for Ponnani sub district schools? School codes for Ponnani sub district schools are unique identifiers assigned by the Kerala State Education Department to each school within the sub district. These codes help in administrative and academic record-keeping. **Answer** How can I find the school code for a specific school in Ponnani? You can find the school code by visiting the official Kerala Education Department website or contacting the local education office in Ponnani. Additionally, school directories and official notices often list these codes. Are Ponnani sub district school codes available online? Yes, the school codes for Ponnani sub district schools are available online through the Kerala Education Department's official portals and online databases. Why are school codes important in Ponnani's educational system? School codes are important for administrative purposes, including admission processes, examination registration, data management, and reporting within Ponnani's educational system. How frequently are school codes updated in Ponnani? School codes are typically updated when new schools are established or existing schools undergo administrative changes. Updates are managed by the Kerala Education Department as needed. Can I use school codes to verify a school's accreditation status in Ponnani? Yes, school codes can be used to verify accreditation and other official details through the Kerala Education Department's official database. Is there a list of all Ponnani sub district school codes available for download? Official lists of school codes are sometimes available for download on the Kerala Education Department website or through regional education offices. Are school codes in Ponnani unique across the entire state of Kerala? Yes, school codes are unique identifiers assigned by the Kerala Education Department and are distinct across the entire state,

including Ponnani. How can I contact the office responsible for school codes in Ponnani? You can contact the Ponnani Education Office or the Kerala State Education Department's district office for assistance regarding school codes in Ponnani.

Related keywords: Ponnani sub district school codes, Kerala school codes, Malappuram school identifiers, Ponnani educational institutions, sub district school listings, government school codes Kerala, Ponnani school database, Kerala school registration codes, Malappuram district schools, Ponnani education department

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