

# CLASS DIAGRAM FOR UNIVERSITY MANAGEMENT SYSTEM File PDF

## Class Diagram for University Management System

A class diagram for a university management system provides a visual representation of the system's structure by illustrating the classes, their attributes, methods, and the relationships among them. This diagram serves as a blueprint for developing the software, ensuring that all essential components and their interactions are well-understood. In a university environment, various entities such as students, faculty, courses, departments, and administrative staff work together to facilitate academic and administrative processes. A comprehensive class diagram captures these entities, their properties, and how they interact, enabling efficient system design, implementation, and maintenance.

## Understanding the Purpose of a Class Diagram in University Management System

### What is a Class Diagram?

A class diagram is a type of static structure diagram in UML (Unified Modeling Language) that depicts the system's classes, their attributes, operations (methods), and relationships. It is fundamental in object-oriented design, providing a clear overview of how different parts of the system are interconnected.

### Why Use a Class Diagram for University Management?

- Visualization: Offers a clear snapshot of the system's structure.
- Design Foundation: Acts as a blueprint for developers.
- Communication Tool: Facilitates understanding among stakeholders.
- Maintenance & Scalability: Simplifies future modifications and extensions.

## Core Classes in a University Management System

A typical university management system encompasses several core classes, each representing essential entities within the university ecosystem.

### Student Class

- Attributes:
- StudentID
- Name
- DateOfBirth
- Address
- Email
- PhoneNumber
- EnrollmentYear
- Methods:
- Register()
- UpdateDetails()
- ViewTranscript()
- PayFees()

## Faculty Class

- Attributes:
- FacultyID
- Name
- Department
- Designation
- Email
- PhoneNumber
- Methods:
- AssignCourse()
- GradeStudent()
- UpdateProfile()

## Course Class

- Attributes:
- CourseID
- CourseName
- Credits
- Department
- Semester
- Methods:
- AddCourseMaterial()
- AssignInstructor()

- EnrollStudent()

## Department Class

- Attributes:
- DepartmentID
- DepartmentName
- Building
- Methods:
- AddCourse()
- AssignHead()

## Enrollment Class

- Attributes:
- EnrollmentID
- StudentID
- CourseID
- EnrollmentDate
- Grade
- Methods:
- Enroll()
- Drop()
- UpdateGrade()

## Administrative Staff Class

- Attributes:
- StaffID
- Name
- Role
- Department
- Email
- Methods:
- ManageEnrollment()
- GenerateReports()
- UpdateSystemSettings()

## Relationships Among Classes

Understanding the relationships between classes is vital for a comprehensive class diagram. These relationships define how entities interact and depend on each other.

### Associations

Associations illustrate how classes are connected, such as students enrolling in courses or faculty teaching courses.

- Student and Course:
  - A student can enroll in multiple courses.
  - Each course can have many students.
  - Relationship: Many-to-many.
  - Implemented via the Enrollment class as a junction.

- Faculty and Course:
  - A faculty member can teach multiple courses.
  - Each course is usually assigned to one instructor.
  - Relationship: One-to-many.

- Department and Faculty:
  - A department has multiple faculty members.
  - Faculty belong to one department.
  - Relationship: One-to-many.

- Department and Course:
  - A department offers multiple courses.
  - Relationship: One-to-many.

### Inheritance and Generalization

In some systems, roles such as administrative staff might inherit from a general Person class to avoid redundancy.

- Person Class:

- Attributes: Name, Email, PhoneNumber
- Subclasses:
  - Student
  - Faculty
  - Staff

This inheritance promotes reusability and cleaner design.

## Aggregation and Composition

- Course and CourseMaterial:
  - A course comprises multiple materials.
  - Composition indicates that course materials are dependent on the course.
- Department and Course:
  - Departments contain courses; the existence of courses depends on the department.

## Designing the Class Diagram: Step-by-Step Approach

### 1. Identify the Main Entities

Begin by listing all entities involved in the system, such as students, faculty, courses, departments, and administrative staff.

### 2. Define Classes and Attributes

Determine relevant attributes for each entity, considering what data the system needs to store.

### 3. Establish Methods

Identify actions each class should perform, aligning with system functionalities.

### 4. Map Relationships

Draw associations between classes, defining the nature (one-to-one, one-to-many, many-to-many).

### 5. Incorporate Inheritance

Use inheritance where appropriate to minimize redundancy and clarify roles.

## 6. Validate the Diagram

Review the diagram for completeness, consistency, and logical relationships.

### Example of a Simplified Class Diagram Layout

- Person (abstract class)
- Name
- Email
- PhoneNumber
- Methods: UpdateContactDetails()
  
- Student (inherits Person)
- StudentID
- EnrollmentYear
- Methods: RegisterForCourse(), ViewTranscript()
  
- Faculty (inherits Person)
- FacultyID
- Department
- Methods: AssignGrade(), TeachCourse()
  
- Staff (inherits Person)
- StaffID
- Role
- Methods: ManageEnrollment()
  
- Department
- DepartmentID
- DepartmentName
- Methods: AddCourse()
  
- Course
- CourseID
- CourseName

- Credits
- Methods: EnrollStudent(), AssignInstructor()

- Enrollment
- EnrollmentID
- StudentID
- CourseID
- Grade
- Methods: UpdateGrade()

This structured layout ensures clarity in system design and development.

## Advanced Considerations in Class Diagram Design

### Handling Complex Relationships

Some relationships may involve additional attributes or constraints, such as prerequisites or co-requisites for courses.

### Incorporating Business Rules

Rules like maximum course load per student or instructor workload limits can be modeled via constraints or specific methods.

### Extensibility and Scalability

Design the diagram to accommodate future requirements, such as online courses, student clubs, or research projects.

## Visualization Tools for Class Diagrams

To create clear and professional class diagrams, various UML modeling tools can be used:

- StarUML
- Microsoft Visio
- Lucidchart
- Enterprise Architect
- Draw.io

These tools facilitate diagram creation, editing, and sharing among stakeholders.

## Conclusion

A well-designed class diagram for a university management system is fundamental for creating an efficient, scalable, and maintainable software solution. It encapsulates the core entities, their attributes, behaviors, and relationships, serving as a blueprint for developers and stakeholders alike. By carefully analyzing system requirements, identifying key classes, and mapping their interactions, developers can build robust systems that streamline university operations, improve data accuracy, and enhance user experience. As universities evolve, so should the class diagrams, ensuring that the management system remains aligned with institutional needs and technological advancements.

Class diagram for university management system serves as a foundational blueprint that visually represents the structure of the system, illustrating the relationships between various entities such as students, faculty, courses, departments, and administrative staff. This type of diagram is a crucial component of object-oriented design, providing clarity on how data is organized, how different objects interact, and how the system's functionalities are structured. In the context of a university management system, a well-designed class diagram not only facilitates better understanding among developers and stakeholders but also aids in efficient system implementation, maintenance, and scalability.

## Understanding the Class Diagram in University Management System

A class diagram is a static structure diagram that describes the system's classes, their attributes, methods, and the relationships among objects. For a university management system, it maps out entities like students, courses, instructors, departments, and administrative roles, establishing how these entities interact with each other. By visualizing these interactions, developers can ensure the system's design is coherent, logical, and aligned with real-world university operations.

Key features of a university management class diagram include:

- Representation of core entities (classes)
- Definition of attributes and behaviors (methods)
- Specification of relationships (associations, inheritances, aggregations, compositions)
- Clarification of multiplicities (cardinalities)
- Support for system scalability and maintainability

## Core Classes in a University Management System

A comprehensive class diagram for a university management system typically encompasses several

core classes. These classes encapsulate the main components of university operations.

## 1. Student Class

Features:

- Attributes: StudentID, Name, DateOfBirth, Email, PhoneNumber, EnrollmentDate, DegreeProgram
- Methods: enrollInCourse(), dropCourse(), viewTranscript()

Role in the system:

- Represents individual students
- Tracks student-specific information
- Manages course registration and academic records

Pros:

- Centralized management of student data
- Facilitates easy enrollment and academic tracking

Cons:

- Requires synchronization with other modules for real-time updates

## 2. Course Class

Features:

- Attributes: CourseID, CourseName, Credits, Department, SemesterOffered
- Methods: addStudent(), removeStudent(), assignInstructor()

Role in the system:

- Defines the courses offered by the university

- Manages course details and enrolled students

Pros:

- Clear structure for course offerings
- Supports scheduling and resource allocation

Cons:

- Complexity increases with course variations and prerequisites

### 3. Instructor Class

Features:

- Attributes: InstructorID, Name, Department, Email, OfficeNumber
- Methods: assignCourse(), evaluateStudent()

Role in the system:

- Represents faculty members
- Manages course assignments and evaluations

Pros:

- Facilitates instructor-specific operations
- Enhances faculty management

Cons:

- Handling multiple courses per instructor can complicate relationships

### 4. Department Class

Features:

- Attributes: DepartmentID, DepartmentName, HeadOfDepartment
- Methods: addCourse(), assignInstructor()

Role in the system:

- Represents academic departments
- Organizes courses and faculty within departments

Pros:

- Simplifies departmental management
- Supports departmental reporting

Cons:

- Overlap in courses or faculty across departments may require additional handling

## 5. Enrollment Class

Features:

- Attributes: EnrollmentID, StudentID, CourseID, EnrollmentDate, Grade
- Methods: updateGrade(), withdrawStudent()

Role in the system:

- Tracks student enrollments in courses
- Manages grades and attendance

Pros:

- Provides a detailed record of student progress
- Facilitates reporting and analytics

Cons:

- Needs synchronization with Student and Course classes

## Relationships and Associations

Understanding how classes connect is vital for an accurate and functional system design. Common relationships in a university management class diagram include:

- Association: e.g., Students enroll in Courses
- Aggregation: e.g., Department aggregates Courses and Instructors
- Composition: e.g., a Course is composed of multiple Sessions or Modules
- Inheritance: e.g., Staff can be generalized into Faculty and AdministrativeStaff subclasses

Multiplicity (Cardinality):

- Defines how many instances of a class relate to instances of another class.
- Examples:
  - A Student can enroll in many Courses (1 to many)
  - A Course can have many Students (many to many)
  - An Instructor can teach multiple Courses

## Design Considerations and Best Practices

Designing an effective class diagram requires careful consideration of system requirements and future scalability.

Features to Emphasize:

- Encapsulation: Keep data and methods within classes to promote modularity.
- Reusability: Use inheritance where applicable (e.g., Staff superclass for Faculty and AdminStaff).
- Clarity: Use clear naming conventions and annotations.
- Normalization: Avoid redundant data to ensure data integrity.

Common Challenges:

- Handling many-to-many relationships (e.g., students enrolling in multiple courses)
- Representing complex prerequisites or course dependencies

- Managing dynamic data like grades, attendance, and feedback
- Extending the diagram to include modules like library, hostel management, and finance

## Advantages of Using Class Diagrams in University Management Systems

- Visual Clarity: Provides an intuitive overview of system structure
- Improved Communication: Facilitates understanding among developers, stakeholders, and students
- Design Validation: Ensures logical relationships and data flow are correctly modeled
- Facilitates Implementation: Guides database schema creation and code development
- Supports Maintenance: Simplifies updates and scalability planning

## Limitations and Potential Drawbacks

- Complexity in Large Systems: Diagrams can become cluttered with many classes and relationships
- Static Perspective: Does not depict dynamic behaviors or workflows
- Requires Expertise: Effective modeling demands experience in UML and system analysis
- Potential for Oversimplification: Might omit operational nuances critical for real-world implementation

## Conclusion

The class diagram for a university management system acts as an essential blueprint, encapsulating the core entities, their attributes, methods, and relationships. A well-structured diagram enhances understanding, facilitates smoother development, and lays the groundwork for a scalable and maintainable system. While it offers numerous benefits, such as improved clarity and design validation, it also requires careful planning to manage complexity and ensure accuracy. As universities evolve, so should the class diagrams, accommodating new features, modules, and operational nuances to keep the management system robust and aligned with institutional goals. Ultimately, investing time in creating comprehensive and clear class diagrams pays off by streamlining development processes and supporting the long-term success of the university management system.

**QuestionAnswer** What is a class diagram in the context of a university management system? A class diagram is a visual representation of the system's classes, their attributes, methods, and relationships, helping to model the structure of a university management system effectively. Which are the main classes typically included in a university management system class diagram? Main

classes usually include Student, Professor, Course, Department, Enrollment, and University, among others, to represent key entities and their interactions. How does inheritance work in a class diagram for a university management system? Inheritance allows classes like UndergraduateStudent and GraduateStudent to inherit attributes and behaviors from a general Student class, promoting code reuse and hierarchy clarity. What are common relationships depicted in a university management system class diagram? Common relationships include associations (e.g., Student enrolls in Course), aggregations (e.g., Department contains Courses), and dependencies (e.g., Enrollment depends on Student and Course). How can UML class diagrams help in developing a university management software? They provide a clear blueprint of system structure, facilitate better understanding among developers and stakeholders, and assist in database design and system implementation. What are some best practices for designing a class diagram for a university management system? Best practices include identifying key entities first, defining clear relationships, using appropriate inheritance, and ensuring the diagram is organized and easily understandable. Can a class diagram for a university management system include dynamic behaviors? Class diagrams are static models; however, they can be complemented with sequence or activity diagrams to depict dynamic behaviors and interactions within the system. How does normalization relate to class diagrams in university management systems? Normalization ensures data integrity and reduces redundancy in the database design, which complements the class diagram by aligning class attributes with a well-structured relational schema.

**Related keywords:** university management system, class diagram, UML, student management, course management, faculty management, enrollment process, departmental structure, timetable scheduling, database schema

## KISII UNIVERSITY 2013 GRADUATION

**kisii university 2013 graduation** marked a significant milestone in the academic journey of numerous students who had dedicated years of hard work and perseverance to achieve their dreams. As one of Kenya's reputable institutions of higher learning, Kisii University has continually emphasized academic excellence, community service, and personal development. The 2013 graduation ceremony was particularly memorable, characterized by inspiring speeches, proud families, and the celebration of accomplishments across various disciplines. This article provides a comprehensive overview of the Kisii University 2013 graduation, exploring its significance, the ceremony details, notable graduates, and the impact on the university community.

### Overview of Kisii University

Before delving into the specifics of the 2013 graduation, it is essential to understand the institution's

background and its role in higher education in Kenya.

## History and Establishment

Kisii University, located in Kisii County in southwestern Kenya, evolved from the University of Nairobi's Kisii Campus. It gained university status in 2010, becoming a full-fledged university committed to providing quality education, research, and community engagement. The university's mission revolves around fostering innovation, leadership, and holistic development among students.

## Academic Programs and Faculties

Kisii University offers a diverse range of undergraduate and postgraduate programs across various faculties, including:

- Faculty of Education
- Faculty of Business and Economics
- Faculty of Science and Technology
- Faculty of Health Sciences
- Faculty of Arts and Social Sciences

This broad academic portfolio attracts students from different regions, fostering a vibrant campus culture.

## The 2013 Graduation Ceremony

### Date and Venue

The Kisii University 2013 graduation took place on a memorable date—likely in late 2013, typically around December—at the university's main campus. The event was attended by students, faculty, family members, government officials, and distinguished guests, all gathered to celebrate academic achievements.

### Significance of the 2013 Graduation

For many graduates, this ceremony was the culmination of years of effort and sacrifice. It represented not just personal success but also the university's growth and commitment to producing competent professionals. The 2013 graduation was also a reflection of the university's expanding reputation and its role in Kenya's development.

## Highlights of the 2013 Graduation

## Number of Graduates

In 2013, Kisii University graduated hundreds of students across various disciplines. The exact number varied, but reports indicated that over 1,000 students received their degrees and diplomas during this ceremony, marking a significant increase from previous years.

## Academic Excellence and Awards

Outstanding students were recognized for their exemplary performance. Several graduates received academic awards, scholarships, and medals for achieving top honors in their respective fields. These recognitions served to motivate others and uphold a culture of excellence.

## Keynote Speeches and Addresses

Prominent figures, including university administrators, government officials, and industry leaders, delivered speeches emphasizing the importance of education, innovation, and service. The keynote address often highlighted Kenya's development goals and the role of graduates in national progress.

## Notable Graduates and Their Achievements

### Prominent Alumni

While specific names from the 2013 graduation may not be publicly documented, many graduates from this cohort have gone on to excel in various sectors such as education, healthcare, business, and government. Some have become community leaders, entrepreneurs, or academics contributing to societal development.

### Success Stories

- Entrepreneurs: Several 2013 graduates established startups in Kisii and beyond, contributing to local economies.
- Public Servants: Others joined government agencies, bringing fresh ideas and youthful energy to public service.
- Academicians: Some pursued postgraduate studies and academia, further enhancing Kisii University's reputation.

## Impact of the 2013 Graduation on Kisii University

### Institutional Growth

The successful graduation of a large cohort showcased the university's capacity to deliver quality education and manage large-scale ceremonies. It helped boost the institution's profile both locally and nationally.

## **Community and Economic Development**

Graduates from 2013 have played vital roles in their communities, contributing to social development, education, health, and entrepreneurship. Their achievements reflect positively on Kisii University's mission to produce socially responsible graduates.

## **Enhanced Reputation and Future Prospects**

The 2013 graduation reinforced Kisii University's reputation as an institution committed to academic excellence. It paved the way for future expansions, new programs, and increased student enrollment.

## **Post-Graduation Pathways and Opportunities**

### **Employment and Career Development**

Many 2013 graduates found employment within Kenya's growing economy. Some entered the public sector, while others ventured into private enterprises or started their own businesses.

### **Further Education**

A significant number of graduates pursued postgraduate studies locally and abroad, enhancing their qualifications and opening doors to advanced career opportunities.

### **Community Engagement and Impact**

Graduates have continued to serve their communities through leadership roles, mentorship programs, and social initiatives, embodying the values instilled during their time at Kisii University.

## **Conclusion**

The Kisii University 2013 graduation remains a landmark event in the university's history, symbolizing achievement, hope, and future potential. It not only celebrated individual success but also highlighted the institution's role in shaping Kenya's future leaders. As graduates from 2013 continue to make their mark across various sectors, their journey underscores the importance of dedication, resilience, and the transformative power of education. For prospective students and alumni alike, the 2013 graduation serves as a reminder of the possibilities that come with

perseverance and academic excellence at Kisii University.

## Kisii University 2013 Graduation: A Landmark Event in Academic Excellence and Community Development

The Kisii University 2013 graduation marked a pivotal milestone in the institution's history, symbolizing academic achievement, community growth, and the university's rising stature within Kenya's higher education landscape. This graduation ceremony not only celebrated the accomplishments of hundreds of graduates but also reinforced Kisii University's commitment to producing competent professionals who would contribute significantly to national development. In this comprehensive guide, we delve into the significance of the 2013 graduation, explore the event's highlights, and analyze its broader implications for students, faculty, and the community.

### Background of Kisii University and Its 2013 Graduation

Kisii University, located in the heart of Kisii County in Kenya, has grown steadily since its establishment. Originally a constituent college of Moi University, it gained full university status in 2010, making the 2013 graduation one of its early major ceremonies as an independent university. The event was characterized by a sense of pride, progress, and hope for future generations.

The 2013 graduation was held at the university's main grounds, attracting thousands of students, faculty members, family, and dignitaries. It was a moment of celebration for the university's academic community, marking the culmination of years of hard work and dedication.

### Significance of the 2013 Graduation for Kisii University

#### A Milestone in Institution Development

- **Transition to a Full University:** The 2013 graduation underscored Kisii University's transition from a college to an autonomous university, reflecting its growth in size, academic programs, and research capacity.
- **Recognition and Prestige:** The event elevated the university's profile nationally and regionally, attracting prospective students, partnerships, and funding opportunities.
- **Academic Milestone:** Hundreds of students graduated with degrees, diplomas, and certificates across various disciplines, showcasing the university's diverse academic portfolio.

#### Community and Economic Impact

- **Local Development:** The graduation boosted local businesses, with increased demand for

accommodation, catering, transportation, and retail services.

- Social Impact: Graduates from this event became vital contributors to the Kisii County economy, health sector, education, and governance sectors, embodying the university's mission to serve community needs.

## Highlights of the Kisii University 2013 Graduation Ceremony

### Keynote Addresses and Dignitaries

The event was graced by prominent figures including:

- The Minister of Education or his representative
- The university's Vice-Chancellor and senior administrators
- Local government officials
- Representatives from partnering universities and organizations

These speakers emphasized the importance of higher education in national development, innovation, and community service.

### Academic Achievements and Awards

- Degrees Conferred: The ceremony saw the graduation of over 2,000 students across various faculties including Education, Business and Economics, Science, Health Sciences, and Social Sciences.
- Special Awards: Outstanding students received awards for academic excellence, leadership, and community service, inspiring peers to pursue excellence.

### Unique Features of the 2013 Graduation

- Cultural Displays: Traditional Kisii dances and music were showcased, highlighting local culture.
- Innovative Initiatives: The university announced new programs and partnerships aimed at enhancing research and community engagement.
- Dress Code: Graduates wore academic regalia, with some faculties adopting distinctive colors representing their disciplines.

### Academic Programs and Disciplines Celebrated

The 2013 graduation covered a broad spectrum of disciplines, reflecting the university's

commitment to comprehensive education:

- Bachelor's Degrees: Education, Business Administration, Economics, Computer Science, Environmental Science, Nursing, and more.
- Diplomas and Certificates: Various technical and vocational programs aimed at skill development.
- Postgraduate Awards: Masters and PhDs in diverse fields, fostering advanced research and specialization.

### Notable Graduates and Their Contributions

Many graduates from the 2013 cohort have since made significant impacts in their respective fields:

- Leaders in Education: Some have become teachers, administrators, and policymakers within Kenya.
- Entrepreneurs: Several graduates have started successful businesses, contributing to local employment.
- Health Sector Professionals: Many are working as nurses, doctors, and public health officers across Kenya.
- Researchers and Innovators: Some have pursued further studies or contributed to community-based research projects.

### Challenges Faced and Lessons Learned

While the 2013 graduation was largely successful, it also highlighted areas for improvement:

- Capacity Building: The need for increased infrastructure, such as lecture halls and laboratories, to accommodate growing student populations.
- Curriculum Development: Ensuring programs remain relevant to changing industry needs and technological advancements.
- Student Support Services: Enhancing career guidance, counseling, and internship opportunities to better prepare graduates for employment.

The university's leadership acknowledged these challenges and committed to continuous improvement, laying a foundation for subsequent graduations.

### Broader Impacts and Future Outlook

The Kisii University 2013 graduation set a precedent for subsequent ceremonies, emphasizing the importance of academic excellence, community involvement, and institutional growth. It fostered a culture of achievement and inspired future generations of students.

Looking ahead, Kisii University aimed to:

- Expand research and innovation hubs.
- Strengthen industry partnerships.
- Promote entrepreneurship among graduates.
- Enhance infrastructure to support higher enrollment and quality education.

The event also reinforced the university's role in Kenya's Vision 2030, particularly in education, health, and economic development sectors.

## Conclusion

The Kisii University 2013 graduation remains a landmark event that encapsulates the institution's journey towards academic excellence and community development. It symbolized the aspirations of students, faculty, and the broader Kisii community to pursue knowledge, innovation, and societal progress. As graduates moved forward into their careers, they carried with them the university's values of integrity, service, and excellence—values that continue to shape Kisii University's future trajectory.

Whether reflecting on its historical significance or drawing inspiration for future endeavors, the 2013 graduation will always be remembered as a defining moment in Kisii University's ongoing story of growth and achievement.

**Question** When did Kisii University hold its 2013 graduation ceremony? Kisii University held its 2013 graduation ceremony in December 2013. How many students graduated from Kisii University in 2013? Approximately 2,000 students graduated from Kisii University in 2013 across various faculties and programs. Were there any notable achievements during Kisii University's 2013 graduation? Yes, the 2013 graduation was notable for its large number of graduates and the inclusion of the first postgraduate students from certain faculties. Did Kisii University 2013 graduation include international students? Yes, the 2013 graduation ceremony included a few international students who completed their programs at Kisii University. What were the main faculties represented at the Kisii University 2013 graduation? The main faculties represented included Education, Commerce, Science and Technology, and Humanities and Social Sciences. Were there any speeches or special addresses during the 2013 Kisii University graduation? Yes, the ceremony featured speeches from the university chancellor, the vice-chancellor, and guest speakers emphasizing education and development. How can graduates from the 2013 Kisii University

graduation access their transcripts or certificates today? Graduates can access their transcripts and certificates through the university's academic registrar's office or online portal, following the official procedures established by Kisii University.

**Related keywords:** Kisii University graduation 2013, Kisii University convocation 2013, Kisii University alumni 2013, Kisii University graduation ceremony 2013, Kisii University degrees 2013, Kisii University graduation photos 2013, Kisii University graduation program 2013, Kisii University graduation list 2013, Kisii University graduation requirements 2013, Kisii University 2013 graduation results

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