

School Information Management System (SIMS)



KrisKo Software
Better & Smarter

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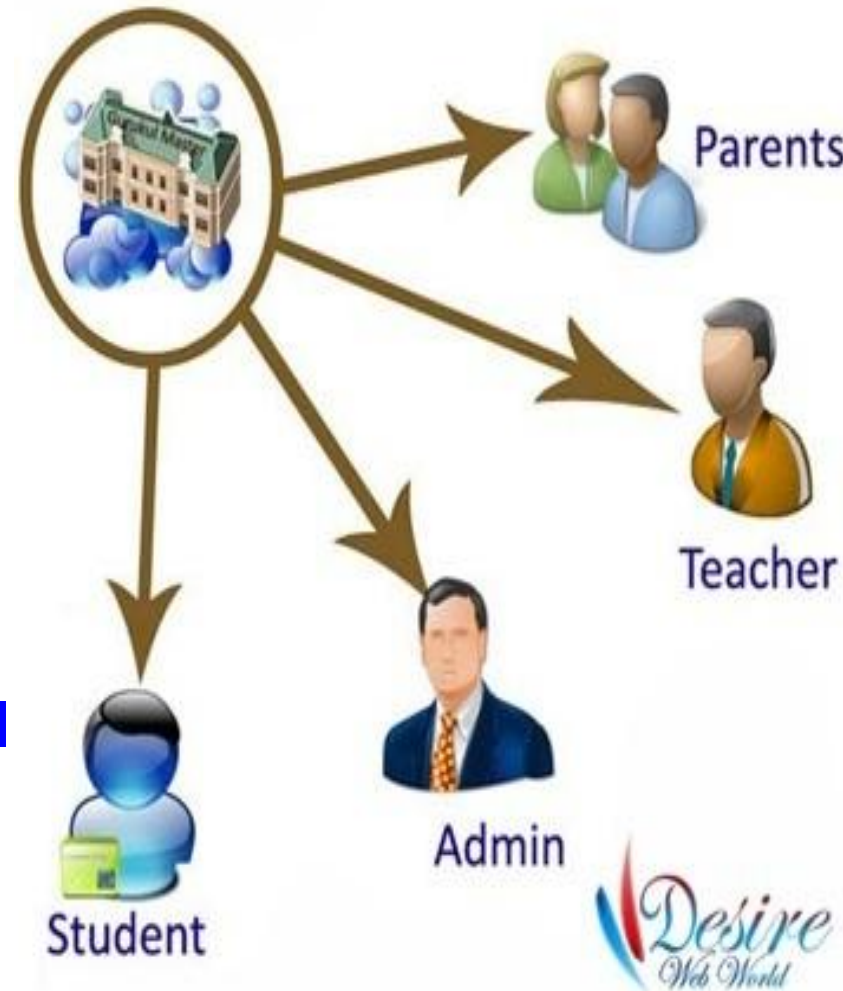
Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

(powered by KrisKo Software)

Enterprise Software | Big Data Analytics | Data Science
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Main Features at a Glance

Student fee set up & Admission
Student class routine
Student Result & worksheet
Staff Management
Parents appointment
Transport management
Library management
Account management
Online test platform and Study material
HR & payroll



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Advantages from SIMS

- 1. Fully computerized, No Paper work.**
- 2. All departments are connected**
- 3. Online Student Admission.**
- 4. SMS alert system.**
- 5. Account Management become easy.**
- 6. Online study material and test.**
- 7. Library Management.**
- 8. Connect from anywhere (Mobile, Desktop, Laptop) by User and Admin**

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Student Admission



SMART SCHOOL

Go



Admin Task ▾

Staff ▾

Student ▾

Examination ▾

Transport ▾

Study Material ▾

Company Setup ▾

My Reports

Student Management

Students Personal Details

+First Name*
Last Name
Date Of Birth*
Gender*
Federation ID

Mobile No

Students Other Details

+Admission No*
!Academic Year*
!Section ID*
!Father Name
Blood Group*
!Address*
!Drop Route

!Admission Date*
!Class ID*
!Roll No*
!Mother Name*
!Emergency Contact No*
!Pickup Route

Clear

Add

Search

Bulk Upload ?

Student Admission Fee



Search



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Student Fee Book

Academic Year (e.g. 2017 or 2017-2018)* Admission No*

Class Billing
* Cycle

Fee Book

Select	Roll No	Student Name	Academic Year	Start Date	End Date	Annual Fee	Tuition Fee	Transport Fee	Late Fine	Due Date	Due Amount
View	10	Subrata Biswas	2017-2018	01-07-2017	30-09-2017	0.00	3000.00	3000.00	0	11-07-2017	6000.00
View	10	Subrata Biswas	2017-2018	01-10-2017	31-12-2017	0.00	3000.00	3000.00	0	11-10-2017	6000.00
View	10	Subrata Biswas	2017-2018	01-01-2018	31-03-2018	0.00	3000.00	3000.00	0	11-01-2018	6000.00

Payment

Start Date* End Date*
Date Of Payment* Mode Of Payment*
Paid Amount* Payment Details*

Student class routine



SMART SCHOOL



Admin Task ▼

Staff ▼

Student ▼

Examination ▼

Library ▼

Transport ▼

Appointment ▼

Study Material ▼

Company Setup ▼

My Reports

Class Routine

+Class ID*

!Section ID*

!Routine Day*

!Period 1

!Period 2

!Period 3

Period 4

!Period 5

!Period 6

!Period 7

!Period 8

[Clear](#)

[Add](#)

[Search](#)

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12 Records Found

Action	Class ID	Section ID	Routine Day	Period 1	Period 2	Period 3	Period 5	Period 6	Period 7	Period 8
Edit Del	Class-I	A	Fri	Bengali	Hindi	Chemistry	Mathematics	Physics	Geography	History
Edit Del	Class-I	A	Mon	Bengali	Hindi	Chemistry	Mathematics	Physics	Geography	History
Edit Del	Class-I	A	Sat	Bengali	Hindi	Chemistry	Mathematics	Physics	Geography	History
Edit Del	Class-I	A	Thu	Bengali	Hindi	Chemistry	Mathematics	Physics	Geography	History
Edit Del	Class-I	A	Tue	Biology	Bengali	Economics	English Language	History	Geography	Mathematics
Edit Del	Class-I	A	Wed	Bengali	Hindi	Chemistry	Mathematics	Physics	Geography	History
Edit Del	Class-II	B	Fri	Bengali	Biology	Chemistry	English Language	English Literature	Geography	Mathematics
Edit Del	Class-II	B	Mon	Bengali	Biology	Chemistry	English Language	English Literature	Geography	Mathematics

Staff management



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Create Staff

Staff Personal Details

+First Name*
Last Name
+E-Mail ID*
Date Of Birth*
Manager Email ID*
Gender*
Federation ID



Mobile No

Married*

Staff Other Details

!Department ID*
+Specialization*

!Address
Max Length = 200

!Qualification
!Joining Date

Created By

Created On

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Library Management



Search Go



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Manage Books

+Book No*	<input type="text" value="B-1001"/>	!Book Category*	<input type="text" value="A-DICTIONARIES"/>
!Book Name*	<input type="text" value="Oxford- English to Hindi"/>	!Author	<input type="text" value="R Rozer"/>
Price*	<input type="text" value="200.00"/>	Publisher Name	<input type="text"/>
Rack No	<input type="text"/>	Rack Position	<input type="text"/>
!Book Status*	<input type="text" value="Issued"/>	!Issued By	<input type="text" value="Ujjwal@smartschool.com"/>
!Issue Date	<input type="text" value="23-06-2017"/>	Next Renew Date	<input type="text" value="07-07-2017"/>
Return Date	<input type="text"/>		
Created By	<input type="text" value="Subir.Kar@gmail.com"/>	Created On	<input type="text" value="23-06-2017 22:08:02"/>

[Clear](#) [Return Book](#) [Renew Book](#) [Lost Book](#) [Search](#) [Bulk Upload](#) ?

Account Management



- Admin Task ▼
- Staff ▼
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- Study Material ▼
- Company Setup ▼
- My Reports

Datewise Fee Collection

Search Criteria

Start Date*

End Date*

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Your Reports

Datewise Fee Collection (5 Records)

Date Of Payment	Admission No	Student Name	Mode Of Payment	Paid Amount	Payment Details
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
24-06-2017	2002	Aditi Roy	Cash	8300.0	Cash
25-06-2017	2002	Aditi Roy	Cash	3000.0	Cash
26-06-2017	2003	Amit Biswas	Cash	11300.0	cash
27-06-2017	2010	Subrata Biswas	Cash	11300.0	Cash
Total				33900.0	

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Online Study Material

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Practice Test

Online Material

- 1. Book : Basics of Inverse Trigonometric Functions
- 2. Video : Inverse Trigonometric Functions : Part 2
- 3. Video : Inverse Trigonometric Functions : Part 10
- 4. Video : Inverse Trigonometric Functions : Part 9
- 5. Video : Inverse Trigonometric Functions : Part 8
- 6. Video : Inverse Trigonometric Functions : Part 7
- 7. Video : Inverse Trigonometric Functions : Part 6
- 8. Video : Inverse Trigonometric Functions : Part 5
- 9. Video : Inverse Trigonometric Functions : Part 4
- 10. Video : Inverse Trigonometric Functions : Part 3

Inverse Trigonometric Functions Part 2

Range $[-\frac{\pi}{2}, \frac{\pi}{2}]$

$y = \sin x, x \in [-\frac{\pi}{2}, \frac{\pi}{2}] \Rightarrow y \in [-1, 1]$

$\Rightarrow x = \sin^{-1}(y), y \in [-1, 1]$

$\sin^{-1}(\sin x) = x, x \in [-\frac{\pi}{2}, \frac{\pi}{2}]$

$\sin(\sin^{-1} x) = x, x \in [-1, 1]$

$\sin^{-1}(\sin x)$

INVERSE TRIGONOMETRIC FUNCTIONS

❖ *Mathematics, in general, is fundamentally the science of self-evident things. — FELIX KLEIN* ❖

2.1 Introduction

In Chapter 1, we have studied that the inverse of a function f , denoted by f^{-1} , exists if f is one-one and onto. There are many functions which are not one-one, onto or both and hence we can not talk of their inverses. In Class XI, we studied that trigonometric functions are not one-one and onto over their natural domains and ranges and hence their inverses do not exist. In this chapter, we shall study about the restrictions on domains and ranges of trigonometric functions which ensure the existence of their inverses and observe their behaviour through graphical representations. Besides, some elementary properties will also be discussed.



Arya Bhatta
(476-550 A. D.)

The inverse trigonometric functions play an important role in calculus for they serve to define many integrals. The concepts of inverse trigonometric functions is also used in science and engineering.

2.2 Basic Concepts

In Class XI, we have studied trigonometric functions, which are defined as follows:

sine function, i.e., $\sin : \mathbf{R} \rightarrow [-1, 1]$

cosine function, i.e., $\cos : \mathbf{R} \rightarrow [-1, 1]$

tangent function, i.e., $\tan : \mathbf{R} - \{x : x = (2n+1)\frac{\pi}{2}, n \in \mathbf{Z}\} \rightarrow \mathbf{R}$

cotangent function, i.e., $\cot : \mathbf{R} - \{x : x = n\pi, n \in \mathbf{Z}\} \rightarrow \mathbf{R}$

secant function, i.e., $\sec : \mathbf{R} - \{x : x = (2n+1)\frac{\pi}{2}, n \in \mathbf{Z}\} \rightarrow \mathbf{R} - (-1, 1)$

cosecant function, i.e., $\operatorname{cosec} : \mathbf{R} - \{x : x = n\pi, n \in \mathbf{Z}\} \rightarrow \mathbf{R} - (-1, 1)$

Online Test

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Practice Test IITJEE-Main - Maths - 2D Circles

Answer Sheet

Question
No:
1/10

Equation of a circle with center at $(4, 3)$ touching the circle $x^2 + y^2 = 1$ internally is

- (a) $x^2 + y^2 - 8x - 6y - 9 = 0$ (b) $x^2 + y^2 - 8x - 6y + 11 = 0$
(c) $x^2 + y^2 - 8x - 6y - 11 = 0$ (d) $x^2 + y^2 - 8x - 6y + 9 = 0$

Show Hint

- A B C D

Question
No:
2/10

The tangents drawn from the origin to the circle $x^2 + y^2 - 2rx - 2hy + h^2 = 0$ are perpendicular if

- (a) $h = \pm 2r$ (b) $h = \pm r$ (c) $r^2 + h^2 = 1$ (d) None of these

Show Hint

- A B C D

Question
No:
3/10

The equation of the circle whose diameter is the common chord of the circles $x^2 + y^2 + 3x + 2y + 1 = 0$ and $x^2 + y^2 + 3x + 4y + 2 = 0$ is

- (a) $x^2 + y^2 + 8x + 10y + 2 = 0$ (b) $x^2 + y^2 - 5x + 4y + 7 = 0$
(c) $2x^2 + 2y^2 + 6x + 2y + 1 = 0$ (d) None of these

Show Hint

- A B C D

Question
No:
4/10

If in a triangle $\triangle ABC$ whose circumcentre is at origin such that $a \leq \sin A$, then for any point (x, y) inside the circumcircle of the triangle $\triangle ABC$, which one of the following is true?

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My Last Week Performance

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Your Reports

My Last Week Performance (1 Records) 

Action	Appeared On	Paper Name	Your Score(%)	Highest Score(%)	% Of Students Above You
View Details	20-06-2017 12:49	KVPY-SA-Number-Systems-Paper-01	10.00	40.00	70.00

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Any Question?



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