



S.P.V.V.S'S

**G.P.PORWAL ARTS, COMM AND
V.V.SALIMATH SCIENCE COLLEGE SINDGI-
586128**

Dist: Vijayapur

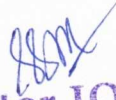
Karnataka state

DEPARTMENT MATHEMATICS

PROJECT WORK

This is to certify that students of B.sc III sem participated in mathematics **Project work** on mathematics Day 2022-23. Model on **THALES MATHEMATICIAN** satisfactorily completed their work under my supervision at our college under RANI CHENNAMMA UNIVERSITY BELAGAVI.


HEAD OF THE DEPARTMENT
Dept. of Mathematics
G.P.P. Arts, Commerce & V.V.S. Science
College, SINDAGI-586128.


Coordinator IQAC
G. P. PORWAL ARTS, COM &
V. V. SALIMATH Sc. College,
SINDGI-586128.

PARTICIPATED STUDENTS

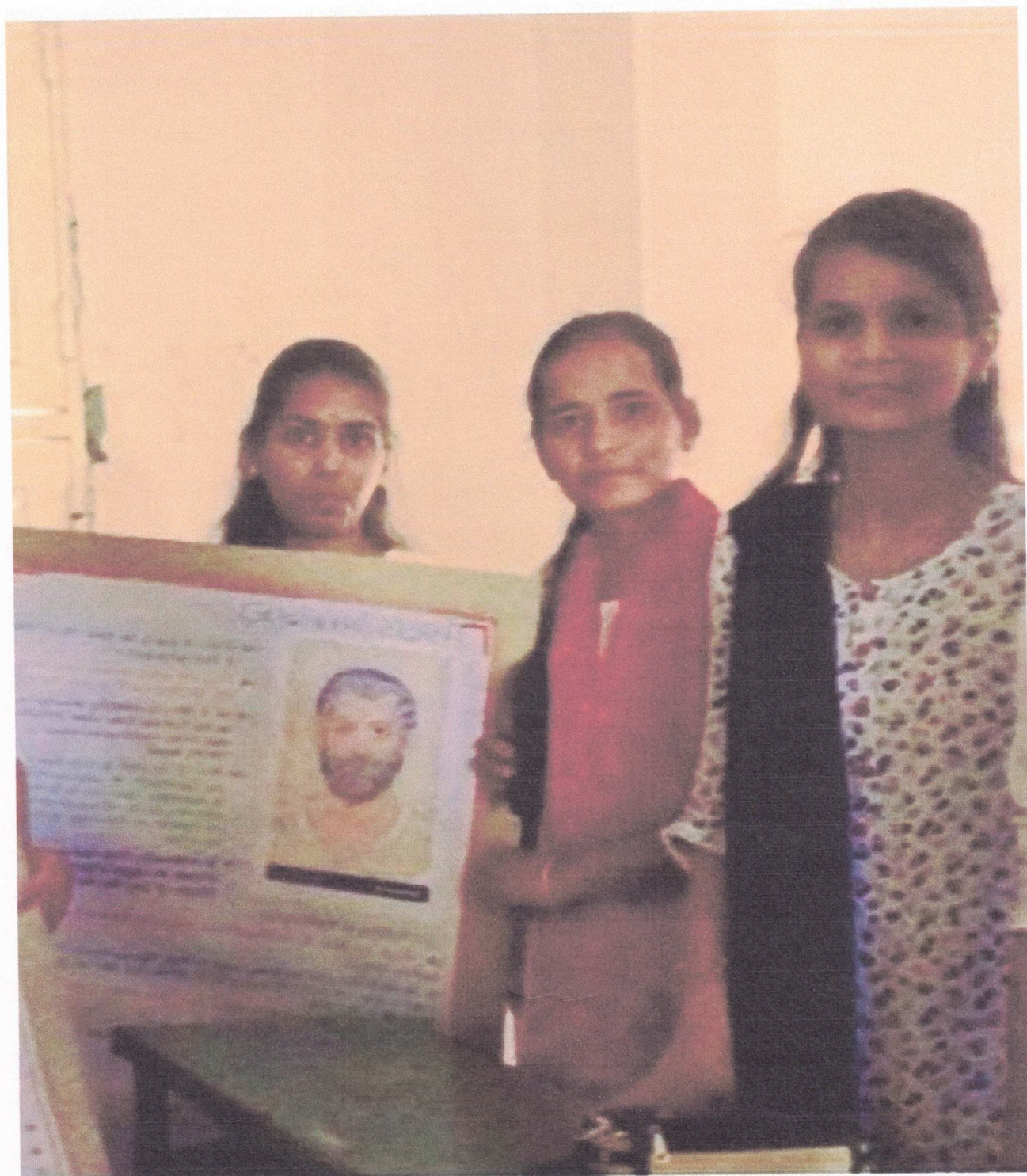
MEGHA PATIL

PRAGATI S HIREMATH

PRIYANKA C DHARIKAR

Principal,

G. P. Porwal Arts, Comm &
V. V. Salimath Sc. College
SINDGI-586128. College Code: 5234



THALES (624 or 625 BC)

→ Thales was born in the Greek City of Miletus in about 624 or 625 BC.

→ Many, most notably Aristotle, regard him as the first philosopher in the Greek Tradition.

→ He is otherwise historically recognized as the first individual in the western civilization known to have entertained and engaged in scientific thought.

→ Thales is recognized as having made a breakthrough understanding the world and universe by mythological explanations to natural and explanations for the existence of natural things and phenomena by theories and hypotheses, say science.

→ In mathematics, Thales used geometry to calculate the heights of pyramids and the distance of ships from the shore.

Contributions in Mathematics -

→ Thales was known for his theoretical and practical understanding of geometry, especially triangles.

→ He established what has become known as Thales Theorem, whereby if a triangle is drawn within a circle with one side as a diameter of the circle then the opposite angle will always be a right angle.

→ He laid an effective theory of the path of one star from sunrise to sunset.

Thales's Five Geometric Theorems -

These theorems help us to calculate many concepts of trigonometry & also to calculate proportions for geometric figures having parallel lines. These theorems are -

1. A circle is bisected by any diameter.
2. The base angles of an isosceles Δ are equal.
3. The angles between two intersecting straight lines are equal.
4. Two triangles are congruent if they have two angles & one side equal.
5. An angle in a semicircle is a right angle.

Papanka, Bharthar
Megha, Ashi
Rishika, J. Hiranah

Thales theorem: If AC is a diameter and B is a point on the diameter's circle, the angle ABC is a right angle.

THALES (624 or 625 B.C.)

- Thales was born in the Greek city of Miletus in about 624 or 625 B.C.
- Many, most notably Aristotle, regard him as the first philosopher in the Greek Tradition.
- He is otherwise historically recognized as the first individual in the western civilization known to have entertained and engaged in scientific thought.
- Thales is recognized as having made a break from understanding the world and universe by mythological explanations to instead find explanations for the existence of natural things and phenomenon by theories and hypothesis.
- In mathematics, Thales used geometry to calculate the heights of pyramids and the distance of ships from the shore.

Contributions in Mathematics :

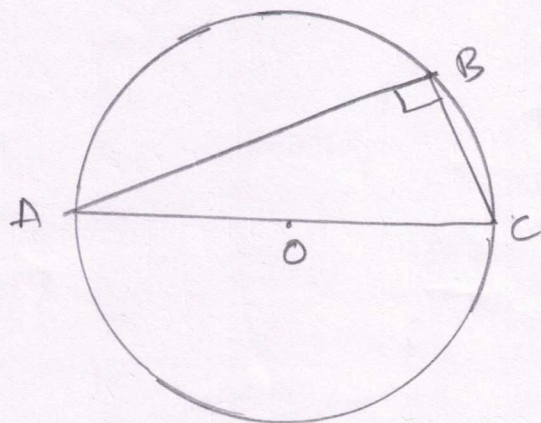
- Thales was known for his theoretical and practical understanding of geometry, especially triangles.
- He established what has become known as Thale's, whereby if a Δ is drawn within a circle with the long side as a diameter of the circle then the opposite angle will always be a right angle.
- He had an effective theory of the path of the sun from solstics to solstice.

Thale's Five Geometric Theorems :

These theorems help us to calculate many concepts of trigonometry & also to calculate proportions in geometric figures having parallel lines.

These theorems are —————

1. A circle is bisected by any diameter.
2. The base angles of an isosceles $\triangle$ are equal.
3. The angles b/w two intersecting straight lines are equal.
4. Two triangles are congruent if they have two angles & one side equal.
5. An angle in a semicircle is a right angle.



Thale's theorem: If $\overline{AC}$ is a diameter and B is a point on the diameter circle, the angle ABC is a right angle.

