



Gujarat Technological University

(Accredited with A+ grade by NAAC)

School of IKS & Dharohar – CIKS

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Certificate Course Name

Science in Ancient India

Eligibility For the Course	12th Pass
Credit	03
Contact Hours	45
Duration	3 Months
Marks	100 (MCQs) 50 questions
Fees	RS.1500+500Exam fees
Course Outcome	Employability, Skill Development, Knowledge of IKS will expand critical thinking capacity and confidence as well as self-esteem and respect for the Nation and its Heritage
Relevance of Course:	Regional, National and Global
Medium	Gujarati/Hindi
Teaching Mode	Online

Unit-wise Syllabus Topics:

Syllabus Unit -1

1) Ancient Indian Mathematics.

Major Mathematicians

Aryabhata, Brahmagupta, Shridhar, Bhaskaracharya and others.

2) Astronomy and Bharatiya Cosmology

Surya Siddhant , Concept of Cosmos, Aryabhata, Varah Mihir, Brahmagupta, and others.

Unit-2

3) Physics and Chemistry and Metallurgy

Contribution of Kanad.

Contribution of Nagarjuna.

Unit -3

4) Medical Science – Ayurveda.

Charak (Medicines), Shushrut (Surgery), Vagbhata –

Chief Text of Ayurveda,

Charak Samhita, Shushrut Samhita, Astanghruday

Unit-4

5) Botany (Vanaspati Shastra)

6) Zoology & Veterinary Science

7) Agricultural Science

8) Environmental Science.

Unit-5

9) Engineering and Architecture and Town planning.

10) Military Science.

Weightage of each Unit will remain 20% in the examination.