

RAJAGIRI INTERACTIVE COURSES ON

INDIAN KNOWLEDGE

INTERACTIVE COURSES

- Mudra AI
- Cultural Gaming
- Indian Philosophy and AI
- Navarasa ML
- Artful Communication
- Body Language
- Spatial AI

SDG COURSES

- Art & Society
- Metal Innovations
- Metallurgical Arts
- Economic Wisdom
- Movement Therapy
- Mudra Recognition
- Mythic Games

STANDALONE COURSES

- Scriptural AI
- Emotional AI
- Business Aesthetics
- Non-Verbal Communication
- Vedic AI
- Social Artistry
- Art & Technology



RAJAGIRI COLLEGE OF SOCIAL SCIENCES

Machine Learning for Image Classification: Recognizing Mudras in Indian Art and Healing Practices

Rajagiri Indian Knowledge
Interactive Courses

Course Design:
Dr. Aswathy Rajan

To empower cultural preservation and promote wellness by using deep learning to recognize and classify mudras, bridging traditional practices with modern technology.

This course covers the symbolism and cultural significance of mudras, the fundamentals of deep learning and CNNs, VGG model architecture with transfer learning, and the process of collecting, preprocessing, and evaluating mudra image datasets for model training.



Game Design and Development: Exploring Indian Cultural History through Interactive Experiences

Course Design:
Dr. Aswathy Rajan

By the end of this course, students will design interactive games that integrate Indian cultural themes, utilizing game engines like Unity or Godot for storytelling and preservation.

This course teaches game design using Unity or Godot, integrating Indian mythology, history, and art into interactive experiences. Students will create culturally inspired games, focusing on character design, environments, and storytelling, culminating in a final project.

Rajagiri Indian Knowledge
Interactive Courses



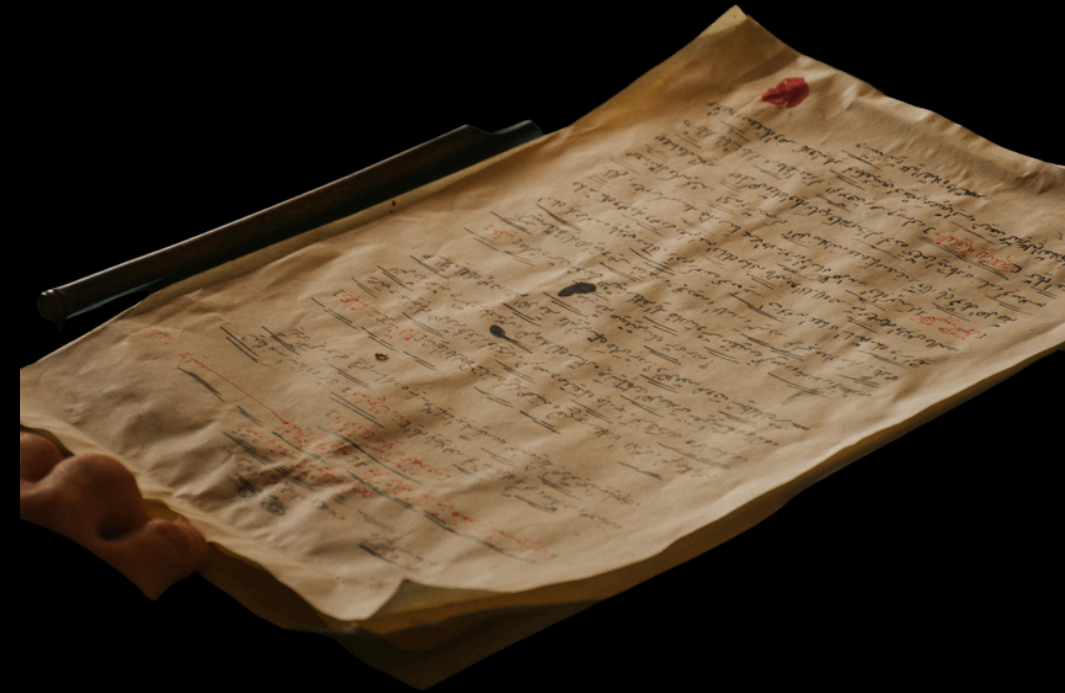
AI and Indian Philosophy: Analyzing Contemporary Issues Through the Lens of Indian Scriptures

Course Design:
Dr. Aswathy Rajan

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This course teaches game design using Unity or Godot, integrating Indian mythology, history, and art into interactive experiences. Students will create culturally inspired games, focusing on character design, environments, and storytelling, culminating in a final project.

Rajagiri Indian Knowledge
Interactive Courses



Emotional Cognition and Machine Learning: Exploring the Navarasas in Indian Aesthetics

Course Design:
Dr. Aswathy Rajan

By the end of this course, students will apply machine learning techniques to detect and categorize emotions, using the concept of Navarasas to create culturally aware AI tools for storytelling and cultural analysis.

This course integrates Indian Navarasas with machine learning for emotion detection in text, speech, and visuals, covering ethical issues, AI in traditional arts, and culminating in a project on emotion classification.



Business Communication through the Science of Indian Art: Bridging Tradition and Innovation

Course Design:
Dr. Aswathy Rajan

This course teaches students to integrate Indian art principles like Rasa, Mudras, and Abhinaya into business communication strategies, enhancing emotional intelligence, branding, and leadership through cultural and artistic techniques.

This course integrates Indian art principles like Rasa, Mudras, and symbolism into business communication, branding, and leadership, with a focus on emotional intelligence and storytelling.

Rajagiri Indian Knowledge
Interactive Courses



Body Language in Effective Communication: Understanding Postures and Meanings through Shilpa Shastra and Psychology

Course Design:
Dr. Aswathy Rajan

By the end of the course, students will be able to effectively understand, interpret, and apply body language principles from Shilpa Shastra and modern psychology to enhance communication, emotional intelligence, and interpersonal relationships in various contexts.

This course covers the essentials of body language, integrating psychological theories and Shilpa Shastra principles to enhance communication, leadership, and emotional intelligence through posture, gestures, and non-verbal cues.

Rajagiri Indian Knowledge
Interactive Courses



Spatial and Movement Recognition in Problem Solving: Integrating Indian Mathematics and Modern Techniques

Course Design:
Dr. Aswathy Rajan

By the end of this course, students will apply Indian mathematics and technology to solve spatial and movement-related problems in various fields.

This course integrates Indian mathematics, Vedic geometry, and modern technology to solve spatial and movement-based problems, covering applications in architecture, robotics, AI, and motion recognition.

Rajagiri Indian Knowledge
Interactive Courses



Indian Art, Society, and Human Values in Social Work: Theoretical Frameworks Inspired by Eastern Humanism and Art

Course Design:
Dr. Aswathy Rajan

By the end of this course, students will integrate Eastern humanist philosophies and Indian art practices into social work to promote social change, emotional healing, and community well-being.

This course explores the integration of Eastern humanist philosophies and Indian art practices into social work to promote healing, social change, and human dignity through art-based interventions.

Rajagiri Indian Knowledge
Interactive Courses



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Indian Metallurgy and Technological Advancements: A Historical Perspective on Resources and Innovation

Course Design:
Dr. Aswathy Rajan

By the end of this course, students will explore the history, business, and technological impact of Indian metallurgy, integrating material science, social psychology, and modern computational tools to understand its contributions to global trade and innovation.

This course explores the history, technological advancements, business impact, and psychological insights of ancient Indian metallurgy, using modern tools to study and apply its innovations.

Rajagiri Indian Knowledge
Interactive Courses



Indian Art and Metallurgy: An Interdisciplinary Exploration of Material Culture, Techniques, and Aesthetic Practices

Course Design:
Dr. Aswathy Rajan

By the end of this course, students will analyze the historical, cultural, and symbolic significance of Indian metallurgy in art, explore key innovations, and develop practical skills in metallurgical techniques used in sculpture, architecture, and craftsmanship.

This course explores the history, techniques, and cultural significance of Indian metallurgy in art and architecture, from ancient innovations to modern conservation and applications.

Rajagiri Indian Knowledge
Interactive Courses



Ancient Indian Economic Wisdom and Modern Applications: Insights from Chanakya's Arthashastra, Vedas, and Other Indian Scriptures

Course Design:
Dr. Aswathy Rajan

By the end of this course, students will analyze ancient Indian economic principles, their impact on modern economics, and apply them to business, governance, and sustainable practices.

This course explores ancient Indian economic thought, including key texts like the Arthashastra and the Vedas, and applies their principles to modern economics, governance, and ethical business practices.

Rajagiri Indian Knowledge
Interactive Courses



Movement Therapy and Indian Indigenous Practices: Integrating Psychological Frameworks for Healing

Course Design:
Dr. Aswathy Rajan

This course explores the integration of movement therapy with Indian healing systems like Yoga, Ayurveda, and classical dance to address psychological challenges and promote emotional and mental well-being.

This course explores the integration of movement therapy with Indian practices like Yoga, Ayurveda, and classical dance to promote psychological healing, emotional regulation, and trauma recovery.

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