



Indian Institute of Technology Kharagpur

presents

# āyutti 2019

Illumining, Ideating, Transforming



A Short-term Certification Course in-residence  
for international students

Course Date: October 25 - 30, 2019  
Registration closes on October 14, 2019

A limited number of full scholarships are available

# ABOUT DYUTI

Immersive learning experience encompassing the science and heritage of India

We will take you through a journey of experiencing Indian culture beyond tourism destinations and regular classrooms and labs - it is time to experience India's Gurukul amidst a verdant landscape only 140 km away from Kolkata city and a 100 km from the Bay of Bengal.

You will learn how you can empower the disadvantaged population in your country by developing indigenous rural technology, how you can make healthcare technologies affordable for large masses in your country, how you can convert scrap into useful products.

And that's not all . . .

Join us for an incredible walkthrough Indian science and heritage while celebrating India's festival of lights in a way that is only possible at IIT KGP

## COURSE CONTENT

A one credit five-day certification course



Rural Technologies for Economic Empowerment



Affordable Healthcare Technologies



Indian Science and Heritage including an introduction to Sanskrit



Training Workshop on IIT KGP's unique style of celebrating Diwali

## EXTRA-CURRICULAR ACTIVITIES



Culinary Art



Indian Paint Forms / Dance Forms



Yoga



Robotics



Space Technology

# OUR FACULTY EXPERTS

## indian science and heritage



**Prof. Partha P Chakrabarti, Professor, Dept. of Computer Science and Engineering**

A leading expert in the areas of artificial intelligence (AI), formal methods and embedded systems. He pioneered the teaching of Indian scientific heritage at IIT Kharagpur. He is a recipient of the Shanti Swarup Bhatnagar Prize and J C Bose Fellowship.

**Prof. Priyadarshi Patnaik, Dept. of Humanities and Social Sciences, Head, Rekhi Centre of Excellence for Science of Happiness**

An expert in Indian aesthetics, visual and multimedia communication, music perception and aesthetics, text and inter-medial translation integrated within visual arts, poetry, fiction and music.



**Prof. Anuradha Choudry, Assistant Professor, Dept. of Humanities and Social Sciences**

An expert in vedic psychology, sanskrit, yoga, language studies and literary theories. She has special interest in Indic concepts of happiness and has developed well-being indices and measurements.

## healthcare



**Prof. Suman Chakraborty, Professor, Dept. of Mechanical Engineering**

A pioneering researcher in microscale fluid mechanics and complex biophysics of cells. His innovations include affordable medical diagnostics. He is a recipient of the Shanti Swarup Bhatnagar Prize and J C Bose Fellowship.

**Prof. Satadal Saha (FRCS), Visiting Professor, School of Medical Science and Technology**

A medical surgeon with expertise in complex GI cancer surgery currently engaged in the development and deployment of low-cost microfluidics based diagnostic device in rural primary care setting.



## rural technology



**Prof. P B S Bhaduria, Visiting Professor, Dept. of Agriculture and Food Engineering**

An expert in development and transfer of rural technologies, soil science & plant nutrition and sustainable production agriculture. He has led technology deployment projects for economic empowerment of rural masses.

**Aditya Bandyopadhyay, Assistant Professor, Dept. of Mechanical Engineering**

An expert in mixing and transport through porous media, electrohydrodynamics and flexible channel flow. He is currently engaged in product innovation by transforming scrap materials.





## **WHO CAN APPLY?**

All foreign nationals currently in India registered as short-term or degree students in recognized Indian universities/institutes

## **COURSE FEE**

₹8,000/- including tuition, examination fee, library, accommodation and food.

**FINANCIAL AID:** A limited number of full scholarships are available

**LAST DATE OF APPLICATION:** October 14, 2019

## **CONTACT:**

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Register at <https://ircell.iitkgp.ac.in/dyuti/>

