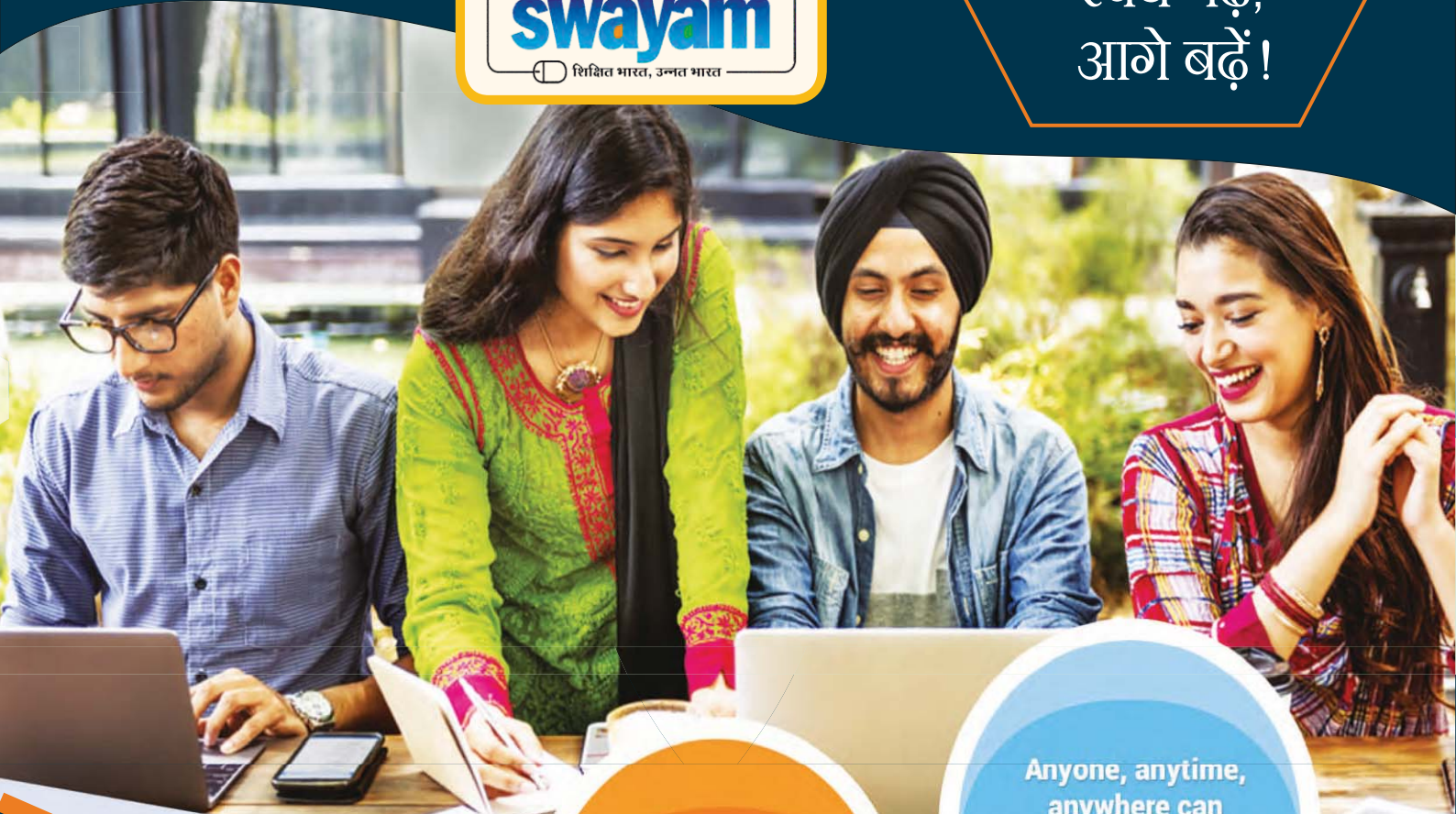


# SWAYAM Courses: At a Glance



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Ministry of Human Resource Development  
Government of India

July 2018



## Message of the Chairman



The Indian higher education system is one of the oldest and largest in the world with 903 universities including Institutions of National Importance, 41, 012 colleges, 3.66 crore students and 12.84 lakh teachers. This massification of higher education brings along with it many issues which confront the higher education of our country today like, the issues of access, equity, relevance, quality, management and financing.

The ICT plays a major role in addressing these issues. In this context, Massive Open online courses are very successfully bridging the digital divide as through these courses quality education can be brought at the doorstep of every learner at virtually no cost. I congratulate the Ministry of Human Resource Development for this noble initiative which will bring a marked improvement in the quality of education being imparted in our country. The project would also help the students and teachers to update their knowledge and skills especially for those located in rural/backward/remote areas and would help the nation move towards an information-rich society.

I congratulate, Prof Rajnish Jain, Secretary, UGC, Dr(Mrs) Pankaj Mittal, Additional Secretary, UGC and her team in bringing out this document which will be very handy information booklet for our Vice Chancellors.

Wishing you all the best.

Prof. D P Singh  
Chairman, UGC

## Foreword



The phenomenal growth of ICT in the education system has had a tremendous impact globally. India has been quick enough to leverage technology for teaching learning processes as ICT has facilitated the accessibility to education and promoting quality teaching and learning to learners of all age groups across the length and breadth of the country. Taking cognizance of such advancements, the Ministry of Human Resource Development, Government of India launched SWAYAM (Study Webs of Active Learning for Young Aspiring Minds), an indigenously developed platform aimed at providing learning opportunities to the learners through MOOCs (Massive Open Online Course) free of cost in a structured manner.

MHRD has identified nine National Coordinators for developing MOOCs from School to PG level on the platform, namely- NCERT for school education from 9th to 12th; NIOS for out of school children from 9th to 12th; Consortium for Educational Communication (CEC), an IUC of UGC, for Non-technology UG programmes; UGC for Non-technology PG programmes; IGNOU for Diploma and Certificate programmes; NPTEL for Technical/ Engineering UG & PG degree programmes; IIM for management programmes, NITTR, Chennai for Teacher Training programmes and AICTE for self paced programmes.

The MOOCs courses on Swayam being run by these National Coordinators (except for NPTEL) in the coming semester beginning from July, 2018 are compiled in this document for easy reference of the Vice Chancellors and academicians.

I compliment my colleagues, Dr (Mrs) Pankaj Mittal, Additional Secretary, UGC and Dr Diksha Rajput, Publication Officer and her team in editing and compiling this document which will work as a ready reckoner for our users.

My Good Wishes for all.

Prof Rajnish Jain  
Secretary, UGC

## Preface



The MOOCs on the SWAYAM are high quality, curriculum-based, interactive content in different subjects across disciplines of social sciences, arts, fine arts, humanities, natural & mathematical sciences, linguistics, languages, technology, management, teacher training and skill sector. These courses are developed by the best faculty of the country carefully chosen from various educational institutions across the country from Secondary till Post-Graduation level. The basic philosophy of MOOCs on SWAYAM is free learning for Any one, Any time, Any where (AAA) with the facility of credit transfer for upto 20% of the courses in a programme.

The MOOCs on SWAYAM follow a Four Quadrant Approach comprising of Quadrant-I - e-Tutorial, which contains Video and Audio Content in an organised form, Animation, Simulations, video demonstrations, Virtual Labs, etc. , Quadrant-II - e-Content, which contains PDF, Text, e-Books, illustrations, video demonstrations, documents and Interactive simulations; Quadrant-III - Web Resources, Open source Content on Internet, Case Studies, books including e-books, research papers & journals, Articles, etc. and Quadrant-IV - Self-Assessment, which contains Problems and Solutions, which could be in the form of Multiple Choice Questions, Fill in the blanks, Matching Questions, Short Answer Questions, Long Answer Questions, Quizzes, Assignments and solutions, Discussion forum topics and setting up the FAQs, Clarifications on general misconceptions etc.

This document "SWAYAM Courses : At a Glance " is a compilation of the Courses developed by the Course Coordinators/Instructors of eight National Coordinators and gives a bird's eye view of the Course objectives, learning outcomes, course duration, credits and profile of the course coordinator for the learner. It is hoped that this document will enable learners and institutions to make informed choices about the MOOCs courses to be pursued in the coming semester, commencing from July, 2018.

The compilation and production of this document would not have been possible without the active support of my colleagues in UGC, Dr Diksha Rajput, Mr Abhishek Anand and in INFLIBNET, Dr Jagdish Arora and Dr Abhishek Kumar. I am grateful to them for their support.

Wishing you a happy learning.

Dr(Mrs) Pankaj Mittal  
Additional Secretary, UGC





All India Council for Technical Education



## Self-Paced (Article) Courses



MHRD



# Article Courses

## Contents

Sr. No.	Course	Page
1.	Bridging the Dementia Divide	63
2.	Critical Thinking	64
3.	Cultural Studies	65
4.	Environment Natural resources and Sustainable Development	66
5.	Introduction to Yoga and Applications of Yoga	67
6.	Mind Education	68
7.	Understanding Autism, Aspergers and ADHD	69
8.	Yoga Practices 1	70
9.	Yoga Practices 2	71
10.	Yoga Practices 3	72



## UNIVERSITY OF DERBY

Professor & University of Derby

**TYPE OF COURSE** : School

**COURSE DURATION** : 6 weeks

**INTENDED AUDIENCE**: It is an open platform so anyone  
can enroll and consume the course.

**EXAM DATE** : NA

**NO OF CREDITS** : NA

### OBJECTIVE OF COURSE

This course will help you to improve the lives of people with dementia, adopting a person-centred and integrated approach. It is suitable for anyone interested in dementia or for those caring for people with dementia including partners, families and health and social care practitioners.



### LEARNING OUTCOME

Learner will have good command in this Subject.

### COURSE PLAN

**Week 01:** Communication and Compassing

**Week 02:** The Carer's voice

**Week 03:** Independence, control and Quality of Life

**Week 04:** Dementia as a Global Health Priority

**Week 05:** Integrating care

**Week 06:** End of life care

**Week 07:** Users of Information Retrieval

### ABOUT INSTRUCTOR

The objective of the entire course is to provide the learner an opportunity to get exposed to diverse disciplinary perspectives and concepts related to them. This will equip the learner to develop a holistic perspective on the subjects. Also it will guide the learner to choose the area(s) of specific interest for further learning.



**PARTHA CHATTERJEE**

Assistant Professor &amp; SHIV NADAR UNIVERSITY

**TYPE OF COURSE** : UG**COURSE DURATION** : 1 weeks**INTENDED AUDIENCE** : It is an open platform so anyone can enroll and consume the course.**EXAM DATE** : NA**NO OF CREDITS** : NA**PRE-REQUISITES** : It is an open platform so anyone can enroll and consume the course.**OBJECTIVE OF COURSE**

This module introduces the basic of naïve set theory. This allows us to develop a language that can be used to understand various concepts of Logic. This module is of two hours. Students should go through the lecture notes and try to answer the questions provided in the question bank. When students are satisfied with their understanding of the material, then can take the quiz to test their understanding.

**LEARNING OUTCOME**

Learner will have good command in this Subject.

**COURSE PLAN****Week 01:** Set Theory**Week 02:** Set Theory**ABOUT INSTRUCTOR**

Ashokankur Datta Assistant Professor Department of Economics, School of Humanities and Social Sciences Email Contact:

[ashokankur.datta@snu.edu.in](mailto:ashokankur.datta@snu.edu.in)

Education Details:

Ph.D. (Economics), Indian Statistical Institute, Delhi. 2012.

M.A. (Economics), University of Delhi. 2005

B.Sc. (Economics-Honours.), University of Calcutta. 2003







**SUPRIYA CHAUDHURI**  
Professor & Jadavpur University

**TYPE OF COURSE** : UG **COURSE DURATION** : 2 weeks  
**INTENDED AUDIENCE** : It is an open platform so anyone **EXAM DATE** : NA  
 can enroll and consume the course. **NO OF CREDITS** : NA  
**PRE-REQUISITES** : It is an open platform so anyone can enroll and consume the course.

#### OBJECTIVE OF COURSE

Course on Evolution of Film Form and Digital Culture

#### LEARNING OUTCOME

Learner will have good command in this Subject.

#### COURSE PLAN

**Week 01:** Evolution of film form

**Week 15:** Digital Cultures



SWAYAM



UGC



CEC



IGNOU



NCERT



NIOS



IIMB



NITTR



## PRABHAKAR RAO JANDHYALA

Professor & University of Hyderabad

**TYPE OF COURSE** : UG

**COURSE DURATION** : 4 weeks

**INTENDED AUDIENCE**: It is an open platform so anyone can enroll and consume the course.

**EXAM DATE** : NA

**NO OF CREDITS** : NA

**PRE-REQUISITES** : It is an open platform so anyone can enroll and consume the course.

### OBJECTIVE OF COURSE

This module introduces the basic of naïve set theory. This allows us to develop a language that can be used to understand various concepts of Logic. This module is of two hours. Students should go through the lecture notes and try to answer the questions provided in the question bank. When students are satisfied with their understanding of the material, then can take the quiz to test their understanding.



### LEARNING OUTCOME

Learner will have good command in this Subject.

### COURSE PLAN

**Week 01:** Anthropological Perspectives on Environment 1

**Week 02:** Anthropological Perspectives on Environment 2

**Week 03:** Anthropological Perspectives on Environment 3

**Week 04:** Anthropological Perspectives on Environment 4





**SRIVIDHAR MELUKOTE**  
Professor & Swami Vivekananda Yoga  
Anusandhana Samsthan

<b>TYPE OF COURSE</b>	: Certificate	<b>COURSE DURATION</b>	: 12 weeks (01/08/2018 & 31/10/2018)
<b>INTENDED AUDIENCE</b>	: It is an open platform so anyone can enroll and consume the course.	<b>EXAM DATE</b>	: To be announced
<b>PRE-REQUISITES</b>	: It is an open platform so anyone can enroll and consume the course.	<b>NO OF CREDITS</b>	: 4

### OBJECTIVE OF COURSE

The course contains Message of Vedas And Upanishads, the Four Streams of Yoga, Shaddarshanas or the SIX systems of Indian Philosophy, Introduction to Hatha Yoga and Patanjali Yoga Sutras. It also includes Life and message of spiritual masters and Indian Culture. In Applications of Yoga, topics covered include Anatomy and Physiology, Yoga and Exercise Physiology, Concept of Health, both yogic and modern scientific, Yogic Concept Of Health & Disease Principles of Healthy Living, Effect of Diet and Yogic Concept of Diet in Therapeutic Situations, Yoga, Education and Research, Yoga and Stress Management and Yoga and Mental Health.



### LEARNING OUTCOME

Learner will have good command in this Subject.

### COURSE PLAN

**Week 01:** Message of Vedas and Upanishads (ALL WEEKS)

### ABOUT INSTRUCTOR

- Dean of Academics and Dean, Division of Yoga and Humanities, S-VYASA, Bengaluru Registrar of Karnataka Samskrit University, Chamaraajapet, Bangalore (June 07, 2014 to December 06, 2015).
- Deputy Director, Publications wing, Karnataka Samskrit University (March 2012 – July 2013) Fulbright Scholar (2000) with South Carolina University, USA (selected by the Indian and US Governments).
- Assistant Professor of Hinduism and Indian Philosophy at Hindu University of America, Orlando (2004 and 2005).
- Adjunct Professor at Union University, Cincinnati, USA (2005-07).





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Ministry of Human Resource Development  
Government of India

July 2018

विद्यया ऽ नृवभ्रमन्ते

