

**DEPARTMENT OF FUTURES STUDIES**  
**University of Kerala**  
**Post Graduate Diploma in Knowledge Management**  
**(UGC Innovative Programme)**

**PROSPECTUS-2016**

**About the Department**

Department of Futures Studies of the University of Kerala is a proactive interdisciplinary Department established by UGC in 1990-91. It has won the credit of introducing M.Tech in Technology Management for the first time in India. An interdisciplinary M.Phil in Futures Studies and Ph.D program are offered by the Department. The alumni of the Department now occupy significant top level and middle level positions in various multi-national companies and central and state Government organizations/departments.

The Department has a strong base to carry out interdisciplinary research on technology forecasting/management, system modeling, mathematical modeling, knowledge management etc. Also in the research arena, the Department is fast becoming an international player in the field of discrete mathematics. The Department has been partnering with University of Maribor, Slovenia and Erasmus University, Netherlands and is having exchange programs for the last nine years.

This is the only Department in the whole of the University that has a very strong consultancy wing. C-Graf, the consultancy wing of the Department has established itself as a key player in the field of socially relevant consultancy projects. Consultancy work for various international agencies like Family Health International, (United Kingdom), The World Bank, The Japanese Bank for International Co-operation and the likes are being executed in a time bound manner.

**About the Programme**

P.G.Diploma in Knowledge Management (PGDKM) – under UGC innovative programme – is a one year Post Graduate diploma course. There is probably no segment of activity in the world attracting as much attention at present as that of knowledge management. According to Evalueserve, a global market research and Intellectual Property service firm and a pioneer in providing Knowledge Process Outsourcing(KPO) services, KPO is estimated to touch USD 17 billion during 2013-14, out of which 70% would be outsourced to India. The transition of the world into knowledge economy would increase the demand for knowledge workers in future. Thus the scope of the course would be to provide training in the knowledge domain so that the trained manpower can straightaway become part and parcel of the industry.

The course is actively supported by IBM to train students in IBM COGNOS and extend placement assistance to the students.

## **Faculty**

A unique, experienced set of persons from industry and University would be engaging the classes. The state-of-the-art theory supplemented by practical sessions would be offered to the students. The students would be given hands on experience in software tools on knowledge engineering.

## **Eligibility for admission**

Graduates in Engineering / Technology, Medicine ( BDS, BAMS, BHMS ), Post Graduates in Science, Applied Sciences, Agriculture, Library Science, Commerce, Tourism, Management from Universities recognized by the University of Kerala with not less than 55% marks for the qualifying examination. Students appearing for final semester examination may also apply.

## **Selection Procedure**

Admission to the course is based on performance in the qualifying degree and the entrance test. Equal weightage [50%] would be given for qualifying degree and entrance test. The entrance test shall consist of multiple choice questions to judge the applicant's awareness in databases, aptitude in data interpretation, analysis, logic & reasoning, comprehension and general awareness.

## **How to apply**

Application can be obtained from the Head of the Department of Futures by producing a DD for Rs.260/- from SBT/SBI/Dist. Co-operative bank drawn in favour of the Finance Officer, University of Kerala or a University Chalan for Rs. 250/-. A self addressed stamped envelope for Rs. 10/- should be send along with the request for obtaining the application by post. Application form can also be downloaded from the Kerala University website. The completed application should reach the Head of the Department **on or before 31-01-2017**. Application form may be send to The Prof. & Head, Department of Futures Studies, Department of Aquatic Biology Building, Kariavattom Campus, Kariavattom P O,Tvpm- 695581.

## **Fee Structure**

The total course fee is Rs. 15105/-. [Semester 1 – Rs. 8255/-, Semester 2- Rs. 5350/- and Department Development Fund of Rs. 1500/-]

<b>Syllabus and Course Structure</b>		
Course No.	Course Title	Credits
<b>Semester 1</b>		
PGDKM 11	Dimensions of Knowledge	3
PGDKM 12	Principles of Knowledge Management	3
PGDKM 13	Data Mining Concepts, Techniques and Case Studies	3
PGDKM 14	Data Warehousing	3
PGDKM 15	Knowledge System Design and Modeling	3
PGDKM 16	Knowledge Management in Organizations [with case studies]	3
PGDKM 17	Elective 1	3
PGDKM 18	Laboratory 1	3
<b>Semester 2</b>		
PGDKM 21	Elective 2	3
PGDKM 22	Elective 3	3
PGDKM 23	Laboratory 2	5
PGDKM 24	Industrial Project	3
PGDKM 25	Dissertation	10
	Total credits	48
<b>List of Electives</b>		
PGDKM 01	Knowledge Engineering	
PGDKM 02	Fuzzy Expert Systems and Reasoning	
PGDKM 03	Innovation Management	
PGDKM 04	Pattern Recognition	
PGDKM 05	Digital Image Processing	
PGDKM 06	Web Data and Semantics	
PGDKM 07	Artificial Intelligence and Systems	
PGDKM 08	Geographical Information Systems	
PGDKM 09	Software Project Management	