Course: IT677 ‘Information Delivery Systems and Models'

Course Objectives
The course presents an end to end view of design and developmental cycles of information systems and models in general, and information architecture, information flows and information delivery mechanisms of agricultural and rural development in specific.

Topics
Theory classes, case studies, and field experiments, the students will be introduced to the

- Existing information architecture, information flows and information delivery mechanisms of various agricultural and rural development systems and models.
- Difference between data, information and knowledge; and their collecting techniques.
- Theory and modeling of information processing systems.
- Systems methodology and interaction theory.
- Role of trust and information reliability in the information systems.
- Design and Development of tech-mode data acquisition, processing and delivery mechanisms.
- Design and Development of multimedia and virtual reality systems.
- Design and Development of complex socio-technical systems
- Introduction to the existed agricultural and rural development information systems models (applications of GIS and remote sensing; traceability models; and ICT4D kiosk experiment models deal with information management).

Learning Objectives
After completion of the course, the students will be able to

- Design and Develop Information Delivery Systems & Models for Agriculture and Rural Development (ARD)
- Study & Analyze the Information Systems of ARD
- Understand the process to identify the issues, problems, controlled and uncontrolled variables; process to solve issues for the betterment of the system
- Understand the Information Management and Storage techniques & their developmental applications for ARD
- Understand the information modelling techniques and delivery mechanisms & their developmental applications for ARD

Lab sessions
The students will be expected apply their learnings in the lab sessions to design and develop Radio, TV, Web, and Mobile based information delivery systems and their
implementation at field level directly or indirectly associating with the organizations, which are working for the agricultural and rural development sectors with an objective to bring changes in the farmers’ social and economic status.

**Evaluation Scheme**

**Theory - 50 %**

The students will be expected to submit the assignments on time, and participate in the discussions (both classroom and virtual classroom) actively - **20 %**

The students will be expected to perform well in two surprising tests, which will be conducted in regular classroom sessions - **20 %**

**No separate test will be conducted for absentees**

The students will be expected to give individual and group presentations – **10 %**

**Project – 50 %**

The students will be expected to give three presentations to review the progress of their project. Though that’s a group presentation individual performance will be assessed based on their contribution to project work - **20 %**

The novel applications, approach, framework and implementation of the project (with an organization association directly or indirectly) will be assessed – **20 %**

The students will be expected to submit group project report – **10 %**