Management Information Systems

Management information systems (MIS) is the art and science of gathering, storing, analyzing and disseminating information for managerial decision-making. The goal is to improve business processes through information technology.

Unique Features

The current research emphasis of the MIS group at Purdue's Krannert School of Management is on database systems, computer networks, information security and privacy, human-computer interaction, knowledge management, evolutionary computation, and intelligent systems. Research in e-commerce — particularly in the areas of infrastructure design, information goods, bundling and pricing — also is emphasized. Cross-disciplinary research also is stressed since these areas relate to our mission, as well as to changing research challenges and opportunities.

> Our faculty members encourage PhD students to explore, to work with multiple people and to choose what they're passionate about. It's not an easy journey, but it's very satisfying.
>
> — Hossein Ghasemkhani, Assistant Professor of Management

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Management Information Systems

The career opportunities in MIS and information technology (IT) are growing. The MIS faculty continue to meet regularly with recruiters to advocate for students in our undergraduate and master's programs.

Plan of Study

The doctoral program in MIS is designed to produce world-class scholars. We measure our goal in the ability to place our students in institutions where research, teaching and service are encouraged and rewarded.

We train our students to recognize critical information systems and IT research questions and to structure problems so that they can be effectively addressed. Students must master analytical and/or empirical methodologies from disciplines such as economics, operations research and computer science. Research capabilities are developed through coursework, graduate assistant appointments and mentoring relationships. Students demonstrate capabilities by passing a preliminary examination and defending a dissertation proposal and final dissertation.

The tenure of a Krannert MIS doctoral student is typically four years. Tuition waivers and other funding opportunities are provided as long as academic performance is satisfactory. We provide an environment conducive to research and expect students to begin research early to complete the program in four years. Students are expected to teach graduate-level and undergraduate-level management information systems coursework, and to participate in the information systems community by presenting papers at conferences or workshops and reviewing manuscripts.

Sameer Borwankar
PhD Student, MIS

I get to interact with world-class teachers, with a lot of engineers on campus and with some folks who have started their own companies. This is a vibrant and exciting place.

krannert.purdue.edu/academics/mis/phd

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