ICT education direction in Uz
(TUIT education system)

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Uzbekistan status

• At the heart of the Central Asia nation's phase formulations
• promote industrialization and expansion of national infrastructure projects.
• A leap of advanced society through informatization
  – Build up the e-government system and develop ICT industries
  – Reshaping the ICT based industrial structure and economic development
  – Succession and development in science, technology and culture
  – Reorganization of education system for ICT human resource development
Characteristic of TUIT

• unique ICT university in Uzbekistan

• National core ICT human resource development authority
  – Computer scientist and engineer
  – Software engineer
  – Communication scientist and engineer
  – TV technology engineer with ICT technology
  – ICT teacher for elementary, middle and high school teacher
  – Business manager with ICT technology
  – Post officer with ICT technology
  – Librarian with ICT technology
  – Military officer with ICT technology

• Main ICT research institute in UZ
Enovation of ICT education

- Basic policy for education
  - Best institutions to educate ICT professionals
  - Software oriented ICT education
  - Education to develop applied computer technology ability
  - Education on the latest technology and theory
  - Excellent personnel education for industrial development
# Reorganization of faculties and directions

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<th>current faculties</th>
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<td><em>Informatization and library science</em></td>
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<td>7</td>
<td>Special faculty</td>
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Reorganization of curriculum classification

- Courses are divided into subject courses and research courses (8:2, 5:5)
- Research courses include B. S. thesis research, internship program, seminar etc.
- Subject courses for the undergraduate program (100%) are divided into general (40%), basic (9%), and major courses (51%).
- General courses include mandatory humanities & social science (15%) and mandatory mathematic and natural science (25%)
- Basic courses include mandatory general professional subjects (9%)
- Major courses include mandatory (26%) and elective major courses (25%)
Curriculum design philosophy

- It is not available one subject include multiple, independent topics
- One topic is not divided several subjects course.
- The content of the courses is the same as more than 30% the one that destroyed
- Design the curriculum considering Prerequisites subjects and create timetable
- The appropriate time allocations per subject.
- Can not open the same subjects in the same Faculty
- The direction of education in the faculty of education is how to take advantage of ICT use in education and the way to produce education materials
- The direction of education in the faculty of management is how to use ICT for each business management fields and stage.
- The direction of education in the faculty of TV technology is how to use ICT through the TV, film producing processors
- In Post office, Library case, education is necessary how to improve the services using ICT.
characteristic of curriculum

• Every student of TUIT have to learn C++ language during 3 semesters (JAVA, PHP,..)
• Mathematic subjects are divided general and elective subject for faculty
• Basic courses include 4 subjects, digital logic design, data structure, information security, fundamentals of business management.
• Mandatory major subjects of each faculty cannot share for other faculties.
• Every faculty include fundamental ICT subjects in the mandatory major subjects.
• Elective major subjects can share for other faculties.
Guide line for lecture plan

• Every subject will be prepared lecture plan by the teacher and open to students through the university web.
• All lecture plan are written on the basis of two hours and the time of midterm and final exams is only one hour respectively.
• More than six hours a week teaching break down into two semesters and Less than a week in a four-hour course is not divided into two semesters.
• Lectures don’t prepare the hands-on lab environment is not allocated Laboratory times.
• Every subject includes lectures and practices or laboratories.
• Most of the subjects do one or more team projects in one semester.
• Lecture plan should be explained about student assessment methods.
• Every subject have to specify a English textbook.
What comes next

• Set up the scheme for an ordinary teacher retraining.
• The committee is necessary in University to operate that new subjects and technologies are easy to apply on the course
• Build up integrated university information system
• Build up 24-hours open computer lab which could be used by every student
• Make the laboratory for the experiment required subjects.
• Set up the scheme to improve teacher research ability and establish the linkage of research and education activities
• The activation of the library operation and Book publishing support system
• To convert from time based system to credit system
• It should be necessary to remove unnecessary government Department’s regulations
Thank you!