COURSE ORGANIZATION
OBJECTIVES AND OUTLINES

CS595 – Computer Science Capstone Course
MBA595 – Business Administration Capstone Course

Course Objectives

- Prepare students for success after completing their education
- Provide students with the knowledge and skills to conduct job search and do job interviews
- Introduce students to the industries work atmosphere and the various responsibilities
- Simulate a company's organizational and working environment to help understand how businesses operate and to quickly adapt
  - Coordinating and working with different teams

Knowledge and Skills

- ✓ Research
- ✓ Participation and Taking Initiatives
- ✓ Teamwork & Leadership
- ✓ Requirements and Specifications
- ✓ Real Product Design & Development
- ✓ Documentation & Presentation
- ✓ Job Search and Interview
- ✓ Professionalism

Grading Criteria

Accumulation of points on weekly basis
- Attendance (20%)
- Weekly Report (20%)
- Completion of Work (20%)
- Participation (15%)
- Presentation (10%)
- Subjective Evaluation (15%)
  - Taking Initiatives, Quality of Work, Efforts, Professionalism, etc.
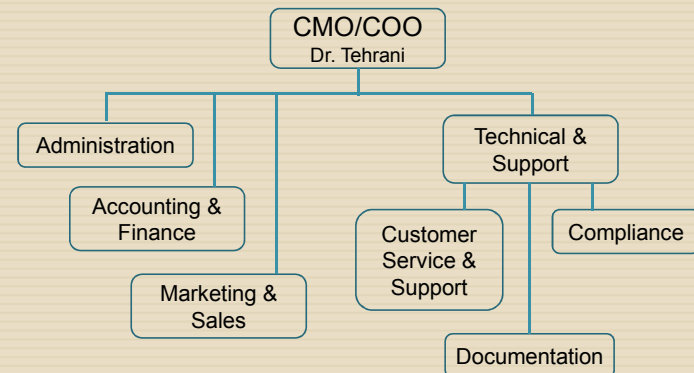
Job Areas

- Marketing/Sales Engineer
- Project Manager
- Administration/Finance/ Accounting
- Documentation Engineer
- Technical Writer
- Patent Engineer
- Customer Service/ Support
- Compliance Engineer

- Product Design Engineer
- Software Engineer
- System Engineer
- Quality Assurance
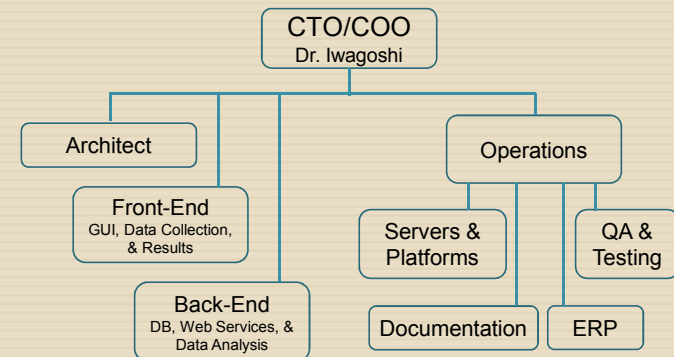- Documentation Engineer
- Technical Writer

Course Structure

- Dr. Tehrani
  - Marketing/Sales/ Management/Accounting/ Finance/Documentation/Support/Compliance
- Dr. Iwagoshi
  - Design/Development/Quality/Documentation
- Students
  - Form 2 separate companies – JitLabs & Savihealth

Organization Chart

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                CMO/COO
                Dr. Tehrani

Administration              Technical &
                            Support
  Accounting &
  Finance          Customer        Compliance
                   Service &
     Marketing &   Support
     Sales
                       Documentation
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Organization Chart

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                CTO/COO
                Dr. Iwagoshi

Architect                   Operations

  Front-End
  GUI, Data Collection,    Servers &        QA &
  & Results                Platforms        Testing

      Back-End
      DB, Web Services, &   Documentation    ERP
      Data Analysis
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Responsibilities

Marketing/Sales/Administration/Management/Accounting/Finance/Compliance

- Management and Operations
- Market Research
- Customer Requirements (Gather Information)
- Business Plans (Formalize & Document Ideas)
- Financial Planning & Accounting
- Resource Planning (ERP)
- Rules and Regulations (Compliance)
- Contractual and Legal Aspects

Responsibilities

Product Design/Software Development/Quality Assurance

- Research the Technologies
- Architect & Design Project
- Setup the Development Platforms and Environment
- Programming/Coding
- Source Controls
- Unit Testing & Software/System Testing
- ERP Development
- Quality Assurance

Responsibilities

Documentation/Customer Service/Support

- Customer Requirements (Write Specifications)
- Business Plans (Documentation)
- Technical Documents (Internal and External)
- Instruction Manuals
- Customer Service
- Customer Support (Troubleshooting and FAQ)
- Research the Patents

Product Guidelines
Innovative Health-ECO System Platform

Track, Alert, Analyze, Educate, and Connect

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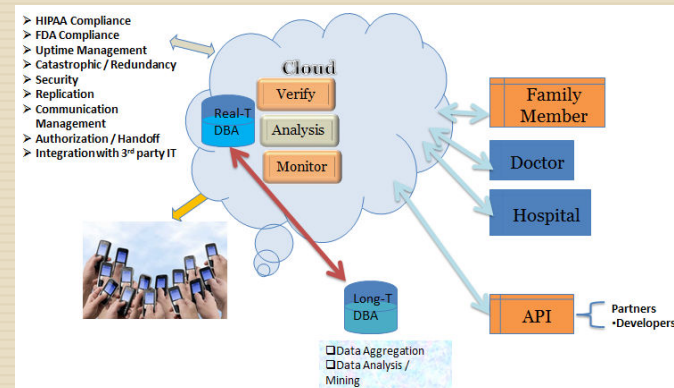
Weekly Activities

- General Meeting, Discussion, and Updates
  - Instructors cover general topics and discussion
  - Team leaders present progress and updates
- Presentation (Every 2-3 Weeks)
  - Each group from each company present their work
- Guest Speakers (Every 2-3 Weeks)
- Teams separate to do their work
- Each student is expected to spend at least 4-6 hours outside of class to work on his/her project

Weekly Report

- Summary of your weekly accomplishments
- Results from your assignment & research
- Each person has specific report to produce
  - No definite instructions for the reports
- Each team member will take turn to present their findings and progress

Weekly Report

Outlines for the Reports
- Name, ID, & Contact Info (email address)
- Company & Title
- Weekly Objectives
- Amount of time spent outside of class
- List of Accomplishments
- Findings from Research
- Goals for the Following Week