



Field of telecommunication and e-business

- Degree programmes
 - Electronics
 - Library and information services
 - Information Technology (Finnish+English)
 - Business
 - Business Information Technology
 - Technological Competence Management

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Company-like learning environment - ESCfi

- ESCfi (Education Support Centre Finland)
- Company-like learning environment
 - Operates like a company
 - Students run the operation
 - Different roles
 - Customers, management board
- Students from mainly two degree programmes; from Finnish and international degree programmes in Information Technology

About ESCfi

- Experiences and student opinions
 - Working in a company-like working environment has become the backbone of their competence development
 - Students have been able to achieve such experience and competences that would not have been otherwise possible

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- Provides software support and project implementation and design
- Students run the operation independently; different roles from technical specialist to marketing, team leading
- Teacher's role is to mentor and guide; take part in planning of the operation, financing, recruiting etc.





ESCfi roles

- Team leader
 - Organizing the work, resourcing, leading the team, following-up projects, marketing, making new customer contacts
 - Offers, contracts, budgeting
- Technical specialist (senior / junior)
 - Solving problems, taking part in projects (project management in some cases), customer contacts, documentation, cost evaluation, bidding

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- Marketing
 - Customer retention and satisfaction
 - Marketing material, billing



ESCfi learning modules

- ESC work
 - First phase of working in ESCfi
 - Support centre customer work
 - Problem-solving and trouble-shooting
 - Phone / email
 - Objectives
 - Achieve technical knowledge about supported products

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- Achieve customer work experience
- Achieve team work experience



ESCfi learning modules

- ESC projects
 - Project size and topics vary a lot
 - Topics interrelate to other subjects
 - Students take part in projects after they have achieved basic knowledge of products and operation

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- Design and implementation projects
- Feasibility studies



- Work placement
 - Fulltime work for 10 weeks
 - -2. and 3. year students
- Thesis
 - ESCfi development projects
 - Topics and assignments from customers and partners

ESCfi learning process

- Introduction period
 - Tutor assigned to all new students
 - Tutor helps to get started
 - Documentation, processes, routines, organization, systems and products
- Meetings (team, development, management)
- Appraisal interviews (1-2 times / semester)
 - Learning objectives, amount of working hours, certification schedule, taking part in projects, tasks and responsibilities, follow-up of last period

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- Learning plans
 - For every two weeks period
 - Learning objectives; different tasks and projects, amount of hours

• Learning diaries

- Reporting the plan
- Accomplishments and self-evaluation of learning
- Evaluation of their operation in respect to other students and customers
- Changes and problems reported also







- Students perceive that they have achieved such experience and competences by working in ESCfi that would not have otherwise been possible
 - Most importantly strong technical experience and knowledge including hands-on experience of solving real problems
 - Best practices from specialist in ESCfi network

Competence development

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- More important competences
 - Social skills; customer work, team work, presentation, negotiation, project work, project management, team leading

Other competences

- Financial skills; budgeting, cost surveillance
- Multicultural competences; both Finnish and international students involved
- Business; learn the laws of IT sector

Linking students with industry and working life

- Active working
- Seminars, conferences and fairs
 - Students are encouraged to attain new contacts
 - In the beginning students go as pairs
- Customer contacts and projects
 - Satisfied customer is a valuable contact and reference

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- Thesis
- Linked too early and too well?



Conclusion

- Feedback from companies and partners
 - Very satisfied with recruitments and service
 - They can rely on the student's experience and competences in a way that is very supportive
- Other company-like learning environments
 - Network Support Centre Finland
 - More different contexts planned

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