1. History

In 2005, the Department of Computer Science and Information Technology was established. At first, we had only one four-year class in the day program. And then we gradually added one more four-year class in the day program in 2006, one four-year night class in 2007, and the master’s program in 2008. According to the department development and faculty’s expertise, we set up two tracks of study: application of internet and digital content, and application of microchips and multimedia. In 2008, we were accredited by Institute of Engineering Education Taiwan, and this qualification has become one of the considerations taken by most students and parents when choosing this department.

2. Objectives and core capabilities

3. Current system

<table>
<thead>
<tr>
<th></th>
<th>No. of classes</th>
<th>Graduation credits</th>
<th>General required credits</th>
<th>Professional required credits</th>
<th>Elective credits</th>
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</thead>
<tbody>
<tr>
<td>Four-year day program</td>
<td>2</td>
<td>130</td>
<td>30</td>
<td>58</td>
<td>42</td>
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<tr>
<td>Four-year night program</td>
<td>1</td>
<td>128</td>
<td>28</td>
<td>52</td>
<td>48</td>
</tr>
<tr>
<td>Day master’s program</td>
<td>1</td>
<td>30</td>
<td>--</td>
<td>6</td>
<td>24</td>
</tr>
<tr>
<td>Night master’s program</td>
<td>1</td>
<td>30</td>
<td>--</td>
<td>6</td>
<td>24</td>
</tr>
</tbody>
</table>

4. Faculty

There are 15 full-time faculty in this department, including 3 full professors, 9 associate professors, 2 assistant professors and 1 lecturer. All the faculty members are professional in this field, have practical experiences and possess national/international certificates. In addition to teaching, the faculty in this department has been devoted to research projects, patents, co-operations between industry and academia. The results obtained are fruitful.
The achievements and developments of full-time faculty

<table>
<thead>
<tr>
<th>School year</th>
<th>Items</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Journal articles</td>
<td>31</td>
<td>17</td>
<td>54</td>
<td>36</td>
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<tr>
<td></td>
<td>Conference papers</td>
<td>94</td>
<td>84</td>
<td>132</td>
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<tr>
<td></td>
<td>Projects</td>
<td>59</td>
<td>48</td>
<td>55</td>
<td>31</td>
</tr>
<tr>
<td></td>
<td>Patents</td>
<td>13</td>
<td>13</td>
<td>7</td>
<td>17</td>
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<tr>
<td></td>
<td>Honors</td>
<td>37</td>
<td>52</td>
<td>51</td>
<td>49</td>
</tr>
</tbody>
</table>

5. Departmental characteristics and laboratories

All the laboratories of our department have been designed on a basis of smart-living technology. We aim at superior-quality E-life services by means of integrated applications of information technology. We also combined technologies of brain wave control, IC electronic design, built-in system and image productions to establish laboratories of smart-living space, virtual reality, smart-living web applications, multimedia applications, and digital content. These laboratories support teaching and practices offered by different professional courses. The equipment in our department is complete and diverse.
(1) Digital Content Lab

Main facilities in the lab
1. Fifty sets of personal computers
2. Twenty sets of instructional LEGONK Robot
3. Projectors
4. Ten sets of 3Ds Max
5. Twenty-four sets of Robot C

(2) Multimedia Application Lab

(3) IC Design Lab

Main facilities in the lab
1. Module Scheme IC Design Platform
2. Logic analyzer card
3. Digital Storage Oscilloscope
4. Programmable chip design platform

(4) System Integrating and Design Lab

Main facilities in lab
1. 8-Bit Embedded System
2. 16-Bit Embedded System
3. 32-Bit Embedded System

DIY 8051 ISP Instructional Module
DIY 14*36 LED Instructional Display Module

FPGA Hardware Platform
Xilinx Spartan3E Development Board
6. Important activities

We pay much attention to students’ academic achievements and health. In addition to the school’s major events, important activities held by the department include teacher-student meetings, welcome parties for freshmen, farewell parties for graduates, parent-teacher meetings, off-campus visits and student project competitions.