

### Criterion 14: Output

225	Exh.14.1	<p>Regulations, policies, and announcements of the Academic Affairs Office in regards to graduation requirements</p> <ul style="list-style-type: none"> <li>▪ Accumulate enough credits prescribed</li> <li>▪ GPA of 5.00 (for a scale of 10) or higher.</li> <li>▪ There is a complete defense education certificate and physical education.</li> </ul> <p>Graduate rating:</p> <ul style="list-style-type: none"> <li>▪ Excellent type: GPA 9.00 or higher</li> <li>▪ Distinction: from 8.00 to under 9.00 GPA</li> <li>▪ Pretty: from 6.5 to under 8:00 GPA</li> <li>▪ Medium: from 5.00 to under 6.50 GPA</li> </ul>																																																									
226	Exh.14.2	<p>Table tracking the students graduating on time, early with their cohorts, dropout, dismissed rate over the years</p> <p><a href="#">See paper evidences</a></p>																																																									
227	Exh.14.3	<p>List of students reviewed for on-time graduation</p> <p><a href="#">See paper evidences</a></p>																																																									
228	Exh.14.4	<p>List of awarded students graduating earlier than required</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">No</th> <th style="width: 20%;">Student code</th> <th style="width: 55%;">Name</th> <th style="width: 20%;">GPA</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">08202028</td> <td>Bui Tay Nguyen</td> <td style="text-align: center;">8.13</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">08202032</td> <td>Nguyen Thanh Cong</td> <td style="text-align: center;">7.32</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">08202053</td> <td>Dang Duc Tuan</td> <td style="text-align: center;">7.46</td> </tr> </tbody> </table>	No	Student code	Name	GPA	1	08202028	Bui Tay Nguyen	8.13	2	08202032	Nguyen Thanh Cong	7.32	3	08202053	Dang Duc Tuan	7.46																																									
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229	Exh.14.5	<p>Table analyzing the employment rate of graduates who had jobs related to their field of study</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Graduate courses</th> <th style="width: 15%;">03/2014</th> <th style="width: 15%;">09/2014</th> <th style="width: 15%;">03/2015</th> <th style="width: 15%;">09/2015</th> </tr> </thead> <tbody> <tr> <td>Percentage</td> <td style="text-align: center;">73%</td> <td style="text-align: center;">84%</td> <td style="text-align: center;">86%</td> <td style="text-align: center;">89%</td> </tr> </tbody> </table>	Graduate courses	03/2014	09/2014	03/2015	09/2015	Percentage	73%	84%	86%	89%																																															
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230	Exh.14.6	<p>Results of survey for graduates employed after graduation</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">No</th> <th style="width: 35%;">Questions</th> <th style="width: 20%;">The possible answers</th> <th style="width: 10%;">No. of response</th> <th style="width: 10%;">Percentage (%)</th> </tr> </thead> <tbody> <tr> <td rowspan="5" style="text-align: center;">1</td> <td rowspan="5">1. After graduation how long have you found a job?</td> <td>Having a job right after graduation</td> <td style="text-align: center;">23</td> <td style="text-align: center;">32.9</td> </tr> <tr> <td>Having a job 1 month after graduation</td> <td style="text-align: center;">29</td> <td style="text-align: center;">41.4</td> </tr> <tr> <td>Having a job 3 months after graduation</td> <td style="text-align: center;">2</td> <td style="text-align: center;">2.9</td> </tr> <tr> <td>Having a job 6 months after graduation</td> <td style="text-align: center;">13</td> <td style="text-align: center;">18.6</td> </tr> <tr> <td>Pursuit of higher degree/ start their own business</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4.3</td> </tr> <tr> <td rowspan="2" style="text-align: center;">2</td> <td rowspan="2">2. If you already have a job, current areas of your work</td> <td>True to the training programs</td> <td style="text-align: center;">48</td> <td style="text-align: center;">88.9</td> </tr> <tr> <td>Different from training programs</td> <td style="text-align: center;">6</td> <td style="text-align: center;">11.1</td> </tr> <tr> <td style="text-align: center;">3</td> <td rowspan="3">5. Have the employers trained for you?</td> <td>NO</td> <td style="text-align: center;">13</td> <td style="text-align: center;">24.1</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Training under 3 months</td> <td style="text-align: center;">33</td> <td style="text-align: center;">61.1</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Training from 3 months to 6 months</td> <td style="text-align: center;">7</td> <td style="text-align: center;">13</td> </tr> <tr> <td style="text-align: center;">4</td> <td rowspan="2">6. If you were trained, the training content more</td> <td>Training over 6 months</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1.9</td> </tr> <tr> <td style="text-align: center;">5</td> <td>Professional</td> <td style="text-align: center;">39</td> <td style="text-align: center;">50.6</td> </tr> <tr> <td style="text-align: center;">5</td> <td></td> <td>Work skills, soft</td> <td style="text-align: center;">35</td> <td style="text-align: center;">45.5</td> </tr> </tbody> </table>	No	Questions	The possible answers	No. of response	Percentage (%)	1	1. After graduation how long have you found a job?	Having a job right after graduation	23	32.9	Having a job 1 month after graduation	29	41.4	Having a job 3 months after graduation	2	2.9	Having a job 6 months after graduation	13	18.6	Pursuit of higher degree/ start their own business	3	4.3	2	2. If you already have a job, current areas of your work	True to the training programs	48	88.9	Different from training programs	6	11.1	3	5. Have the employers trained for you?	NO	13	24.1	4	Training under 3 months	33	61.1	4	Training from 3 months to 6 months	7	13	4	6. If you were trained, the training content more	Training over 6 months	1	1.9	5	Professional	39	50.6	5		Work skills, soft	35	45.5
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		6	7. Are you happy with the current job?	Yes	0	0																																			
				Satisfaction	49	90.7																																			
				Dissatisfaction	5	9.3																																			
				OK	0	0																																			
		7	7. Are training programs distributed appropriately between theory and practice?	Distribution reasonably	60	85.7																																			
				Distribution unreasonably	10	14.3																																			
		8	<b>8. Do you satisfy with the overall quality of education in HCMUTE and FEEE?</b>	YES	69	98.6																																			
				NO	1	1.4																																			
231	Exh.14.7	<p>Analyzing for results of survey about high need number of some fields from labor market</p> <ul style="list-style-type: none"> <li>Vietnam Government identified three priority sectors development orientations 2035 to 2025: manufactured processing industry, electrical industry - electronics, telecommunications, new energy and renewable energy.</li> <li>Labor demand in HCMC 4 key sectors: Electrical and Electronics 16200 people <a href="http://careerbuilder.vn/en/talentcommunity/nganh-nghe-nao-dang-duoc-tuyen-dung-nhieu-nhat.35A51307.html">http://careerbuilder.vn/en/talentcommunity/nganh-nghe-nao-dang-duoc-tuyen-dung-nhieu-nhat.35A51307.html</a></li> </ul>																																							
232	Exh.14.8	<p>Document No. 125CV-ĐHSPKT-CTHSSV dated on 7/9/2012: Invitation to join Career Fair Day of the Student Association in celebrating the 50th anniversary of HCMUTE</p> <p>Enterprises participate: Thai son, Intel products Viet Nam, FPT, công ty cổ phần thiết bị điện Thibidi, Renesas, Fujitsu Vietnam, Nidec tosok, Datalogic Scanning, Jabil Vietnam, Unilever, Bosh Vietnam,...</p>																																							
233	Exh.14.9	<p>Document No. 139/CV-ĐHSPKT-CTHSSV: Invitation to join the workshop on “Networking- Recruitment- Career Fair” dated on 28/9/2013</p> <p>Enterprises participate: Avery Dennison RIS Vietnam, Gameloft, Pepsico Vietnam, Holcim, GS E&amp;C, Lotte Vietnam, Bunge Vietnam, Nestle Vietnam, Samsung Electronics, Shell Vietnam, Siemens Vietnam, Intel products Viet Nam, FPT, Thibidi join stock, Renesas, Fujitsu Vietnam, Nidec tosok, Datalogic Scanning, Jabil Vietnam, Unilever, Bosh Vietnam,...</p>																																							
234	Exh.14.10	<p>Analysis of job categories of graduates over the years</p> <table border="1"> <thead> <tr> <th>Time of survey</th> <th>3/2011</th> <th>9/2011</th> <th>6/2012</th> <th>1/2013</th> </tr> </thead> <tbody> <tr> <td>State companies, enterprises</td> <td>7.43%</td> <td>13.03%</td> <td>7.53%</td> <td>6.70%</td> </tr> <tr> <td>Private companies</td> <td>36.21%</td> <td>40.04%</td> <td>43.61%</td> <td>43.06%</td> </tr> <tr> <td>Owned business</td> <td>1.41%</td> <td>2.68%</td> <td>1.83%</td> <td>1.20%</td> </tr> <tr> <td>Joint venture with foreign companies</td> <td>10.79%</td> <td>9.77%</td> <td>7.53%</td> <td>7.89%</td> </tr> <tr> <td>Companies with 100% foreign investment</td> <td>43.17%</td> <td>33.14%</td> <td>37.90%</td> <td>40.43%</td> </tr> <tr> <td>No answer</td> <td>0.96%</td> <td>1.34%</td> <td>1.60%</td> <td>0.72%</td> </tr> </tbody> </table>					Time of survey	3/2011	9/2011	6/2012	1/2013	State companies, enterprises	7.43%	13.03%	7.53%	6.70%	Private companies	36.21%	40.04%	43.61%	43.06%	Owned business	1.41%	2.68%	1.83%	1.20%	Joint venture with foreign companies	10.79%	9.77%	7.53%	7.89%	Companies with 100% foreign investment	43.17%	33.14%	37.90%	40.43%	No answer	0.96%	1.34%	1.60%	0.72%
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235	Exh.14.11	<p>Comparison of employment status of graduates of the same university and with those from other universities</p> <ul style="list-style-type: none"> <li>HCMC Technology universities has the rate of employment after 1 year: 68.5%</li> <li>Nong Lam University has the rate of employment after 1 year: 95.75%</li> <li>HCMC University of Technology and Education has the rate of employment after 1 year: 100%</li> <li>Ranked in the Top 6 in 25 universities with the percentage of students has the highest employment, branch right across the country.</li> </ul>																																							
236	Exh.14.12	<p>Decision No. 86/2010/QĐ-ĐHSPKT-QLKH dated on 30/12/2010 about promulgation of regulations for management of institutional scientific research and technology projects</p> <ul style="list-style-type: none"> <li>The rules for selection, approval, checking and acceptance, standards and tasks university level scientific projects</li> </ul>																																							

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237	Exh.14.13	<p>Internal regulations on expenses standards: HCMUTE support:</p> <ul style="list-style-type: none"> <li>Scientific articles published in ISI: 10 million VND / article</li> <li>Scientific papers published in international journals: 1 million VND/ article</li> <li>Scientific papers published titles council Prof. Assoc: 1m / article</li> <li>Scientific articles published in international conferences: 0.8 million VND/ article</li> </ul>																																								
238	Exh.14.14	<p>Announcement No. 42/QLKH 08/04/2014 about appointing allowance level for articles published on scientific magazines</p> <ul style="list-style-type: none"> <li>Support papers published in international conferences held overseas: 8,000,000 VND</li> <li>Support papers published in international conferences held in the country: from 1,000,000 to 3,000,000 VND</li> <li>Support papers published in conferences held in the country: from 500,000 2,000,000 VND</li> </ul>																																								
239	Exh.14.15	<p>Table of allocated funds for academic and scientific research from 2010 to 2015</p> <p>The funding provided for scientific research including: the state budget and external funding, and other funding sources.</p>																																								
240	Exh.14.16	<p>Sources of research funds from scholarships, or grants from outside that faculty members could obtain, research fund for Robocon</p> <p><b>Companies/organizations:</b> Intel, HEEAP program, General Electric, Universities at: US, Australia, Japan, England, France, Germany, Korea, Taiwan, etc</p>																																								
241	Exh.14.17	<p>List of funding sources for the LAB from foreign corporate</p> <table border="1"> <thead> <tr> <th>No</th> <th>Company/organization</th> <th>Funding (USD)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Omoron</td> <td>100.500</td> </tr> <tr> <td>2</td> <td>Texas Instrument</td> <td>5000</td> </tr> <tr> <td>3</td> <td>Panasonic</td> <td>28.000</td> </tr> <tr> <td>4</td> <td>Rockwell Automation</td> <td>555.000</td> </tr> <tr> <td>5</td> <td>Epson</td> <td>2500</td> </tr> <tr> <td>6</td> <td>Renesas</td> <td>7300</td> </tr> <tr> <td>7</td> <td>General Electric (GE)</td> <td>1.243.000</td> </tr> <tr> <td>8</td> <td>ABB</td> <td>75.000</td> </tr> <tr> <td>9</td> <td>Tektronik</td> <td>50.000</td> </tr> </tbody> </table>	No	Company/organization	Funding (USD)	1	Omoron	100.500	2	Texas Instrument	5000	3	Panasonic	28.000	4	Rockwell Automation	555.000	5	Epson	2500	6	Renesas	7300	7	General Electric (GE)	1.243.000	8	ABB	75.000	9	Tektronik	50.000										
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242	Exh.14.18	<p>Decision on the establishment of focused- research teams</p> <p>Founded nine focus the research team:</p> <ul style="list-style-type: none"> <li>Mechanics, equipment and industrial energy</li> <li>Industrial Automation</li> <li>Intelligent Systems</li> <li>3D Vision</li> <li>Automated control systems of automobile engines</li> <li>Advanced calculations in science and technology</li> <li>Adsorbed technology in wastewater treatment</li> <li>Electrical engineering - electronics</li> <li>Mechanical engineering and environment</li> </ul>																																								
243	Exh.14.19	<p>List of lecturers' scientific research projects</p> <table border="1"> <thead> <tr> <th>Year</th> <th>2010</th> <th>2011</th> <th>2012</th> <th>2013</th> <th>2014</th> <th>2015</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Instructor students' research projects</td> <td>20</td> <td>29</td> <td>10</td> <td>27</td> <td>13</td> <td>45</td> <td>144</td> </tr> <tr> <td>Research projects - Institutional Level</td> <td>40</td> <td>25</td> <td>30</td> <td>24</td> <td>31</td> <td>31</td> <td>181</td> </tr> <tr> <td>Focused- Research projects -Institutional Level</td> <td></td> <td>05</td> <td>08</td> <td>10</td> <td>13</td> <td>18</td> <td>54</td> </tr> <tr> <td>Research projects - Ministerial level</td> <td>6</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td></td> <td>10</td> </tr> </tbody> </table>	Year	2010	2011	2012	2013	2014	2015	Total	Instructor students' research projects	20	29	10	27	13	45	144	Research projects - Institutional Level	40	25	30	24	31	31	181	Focused- Research projects -Institutional Level		05	08	10	13	18	54	Research projects - Ministerial level	6	1	1	1	1		10
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		<b>Total</b>	<b>66</b>	<b>60</b>	<b>49</b>	<b>62</b>	<b>58</b>	<b>94</b>	<b>389</b>																												
244	Exh.14.20	List of scientific transferred and teaching aids projects FEEE has implemented over 70 projects of technology transfer and the training equipment for companies and colleges and universities.																																			
245	Exh.14.21	List of articles and papers published in prestigious journals in Vietnam and abroad from 2010-2014  <b>Number of publications from 2010 to 2014 of FEEE</b>																																			
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246	Exh.14.22	List of published papers and articles, <a href="http://fееe.hcmute.edu.vn/ArticleId/393c67fd-2567-4e1c-968d-5917723ccc83/an-pham-khoa-hoc">http://fееe.hcmute.edu.vn/ArticleId/393c67fd-2567-4e1c-968d-5917723ccc83/an-pham-khoa-hoc</a>																																			
247	Exh.14.23	Funds for scientific research: Summative plan of fund allocation for science and technology mission from 2010 to 2013 The funding provided for scientific research including: the state budget and external funding, and other funding sources.																																			
248	Exh.14.24	Regulation of internal expenses regarding counting equivalent teaching hours for lecturers by giving instruction for students to do scientific research Teachers guide students in scientific research is equivalent 10 hours / subject																																			
249	Exh.14.25	List of faculty chairing students' research projects over years From 2010-2014 lecturers has instructed 337 students to participate in scientific research and 142 topics																																			
250	Exh.14.26	List of number of students participating in research activities; pictures of acceptance and approval of research projects From 2010-2014 there are 337 students participate in scientific research and many topics have high applicability.																																			

		
251	Exh.14.27	<p>List of websites providing links to specialized resources</p> <p><a href="http://www.quyenhuyanh.com">www.quyenhuyanh.com</a>  <a href="http://www.evn.com.vn/">http://www.evn.com.vn/</a>  <a href="http://www.nldc.evn.vn/">http://www.nldc.evn.vn/</a></p>
252	Exh.14.28	<p>The English – Vietnamese cross-checked dictionary compiled by the FEEE:</p> <ul style="list-style-type: none"> <li>▪ The term electrical safety Electrical Safety</li> <li>▪ Terms used in lighting</li> <li>▪ The term of the lamp</li> <li>▪ The terms of the power supply system</li> </ul>
253	Exh.14.29	<p>Website guiding students to participate into research project:  <a href="http://rmiro.hcmute.edu.vn/ArticleId/30f5c542-9f35-4668-90c7-bca75877569a/huong-dan-thuc-hien-va-quan-ly-de-tai-nckh-sinh-vien">http://rmiro.hcmute.edu.vn/ArticleId/30f5c542-9f35-4668-90c7-bca75877569a/huong-dan-thuc-hien-va-quan-ly-de-tai-nckh-sinh-vien</a></p>
254	Exh.14.30	<p>Pictures and list of students obtaining the awards in scientific research</p> 

