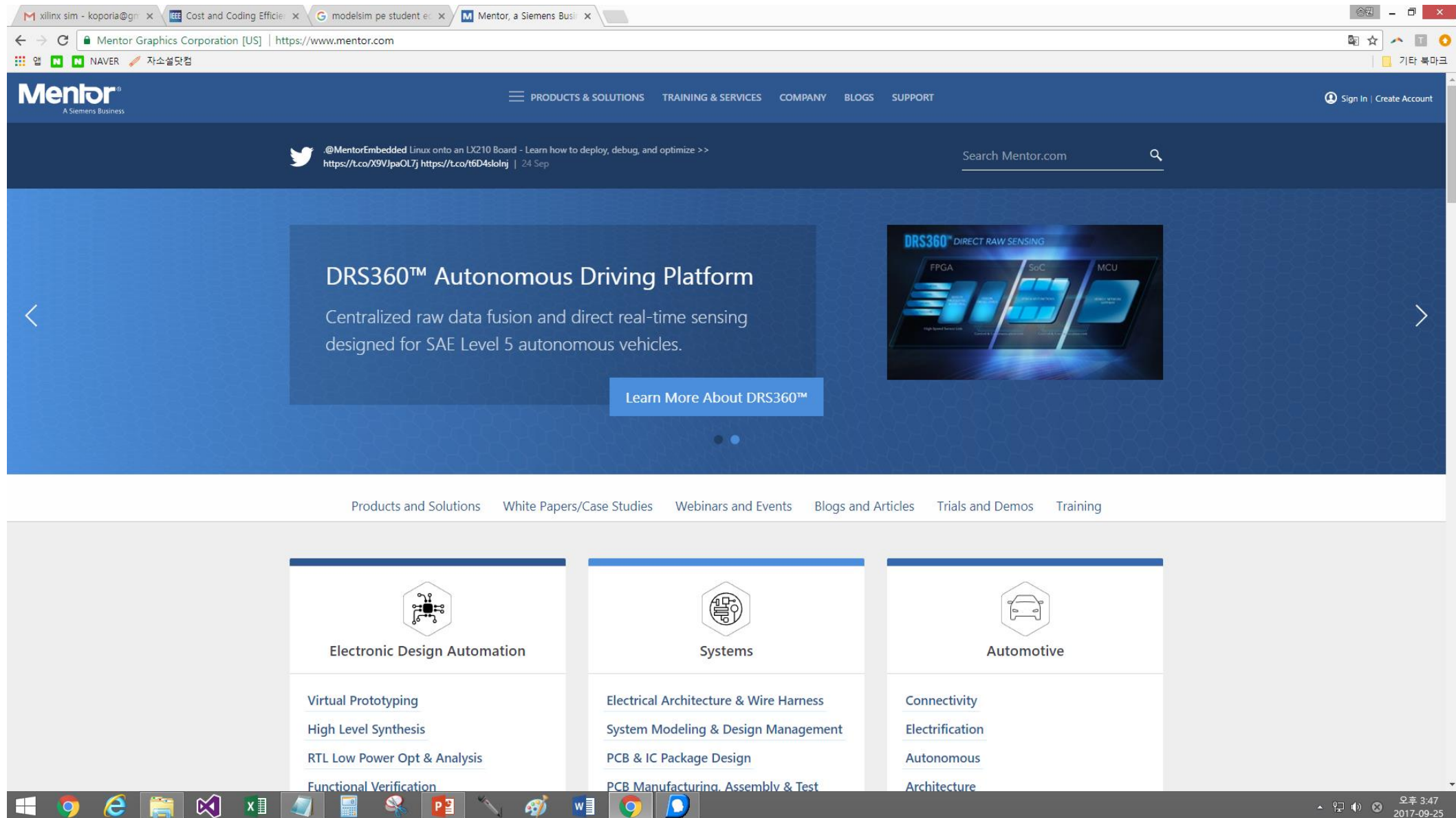


# ModelSim PE Student Edition 10.4a 설치 방법

# 1. <https://www.mentor.com/> 접속



## 2. COMPANY 클릭

The screenshot shows the Mentor Graphics Corporation website. The browser's address bar displays "Mentor Graphics Corporation [US] | https://www.mentor.com". The navigation bar at the top includes links for "PRODUCTS & SOLUTIONS", "TRAINING & SERVICES", "COMPANY" (highlighted with a red box), "BLOGS", and "SUPPORT". A search bar on the right says "Search Mentor.com". Below the navigation bar, a large blue banner features the "DRS360™ Autonomous Driving Platform" with the text "Centralized raw data fusion and direct real-time sensing designed for SAE Level 5 autonomous vehicles." and a "Learn More About DRS360™" button. To the right of the text is a diagram of the DRS360 architecture showing components like FPGA, SoC, and MCU. Below the banner, a horizontal menu lists "Products and Solutions", "White Papers/Case Studies", "Webinars and Events", "Blogs and Articles", "Trials and Demos", and "Training". The main content area is divided into three columns: "Electronic Design Automation" (with sub-links: Virtual Prototyping, High Level Synthesis, RTL Low Power Opt & Analysis, Functional Verification), "Systems" (with sub-links: Electrical Architecture & Wire Harness, System Modeling & Design Management, PCB & IC Package Design, PCB Manufacturing, Assembly & Test), and "Automotive" (with sub-links: Connectivity, Electrification, Autonomous, Architecture). The Windows taskbar at the bottom shows various application icons and the system clock indicating "오후 3:47 2017-09-25".

### 3. Higher Education Program 클릭

The screenshot shows the Mentor Graphics Corporation website. The browser's address bar displays the URL <https://www.mentor.com/company/>. The website's navigation bar includes links for PRODUCTS & SOLUTIONS, TRAINING & SERVICES, COMPANY, BLOGS, and SUPPORT. The 'COMPANY' link is currently selected. Below the navigation bar, the 'Company' section is active, and a search bar is visible. On the left side, a vertical sidebar lists various company resources. The 'Higher Education Program' link is highlighted with a red rectangular box. The main content area features a large image of a red brick building with the text 'Mentor, a Siemens Business, is a leader in electronic design automation software.' Below this image, a paragraph states: 'We enable companies to develop better electronic products faster and more cost-effectively. Our innovative products and solutions help engineers conquer design challenges in the increasingly complex worlds of board and chip design.' To the right of the main content, there are two sidebars. The 'QUICK FACTS' sidebar lists: 'Mentor, a Siemens Business', 'Founded 1981, headquartered in Wilsonville, Oregon', and 'Over 80 sites worldwide →'. The 'CAREERS WITH MENTOR' sidebar includes the text 'Apply your individual talents to the most complex hardware and software design problems in the world.' and a list of links: 'Why Mentor? →', 'Benefits →', and 'Search for a Job Opening →'. At the bottom of the page, there are sections for 'News and Press' with headlines like 'Mentor Precision Synthesis announces support for the eFPGA fabric in Silicon' and 'Intel Custom Foundry certifies Mentor physical verification tools for 22FLL FinFET low power process'. The Windows taskbar at the bottom shows various application icons and the system clock indicating 3:49 PM on 2017-09-25.

Navigation Bar: PRODUCTS & SOLUTIONS, TRAINING & SERVICES, **COMPANY**, BLOGS, SUPPORT

Search: Search Mentor.com

Company Sidebar (Left):

- News Room
- Events
- Careers
- Consulting Services
- Executive Team
- Investor Relations
- Office Locations & Worldwide Distributors
- Partners and
- Higher Education Program**
- Environmental Policies & Practices
- Supplier Guide
- Mentor Foundation
- Child Development Center
- International Websites

Main Content:

**QUICK FACTS**

- Mentor, a Siemens Business
- Founded 1981, headquartered in Wilsonville, Oregon
- Over 80 sites worldwide →

**CAREERS WITH MENTOR**

Apply your individual talents to the most complex hardware and software design problems in the world.

- Why Mentor? →
- Benefits →
- Search for a Job Opening →

**News and Press**

- Mentor Precision Synthesis announces support for the eFPGA fabric in Silicon
- Intel Custom Foundry certifies Mentor physical verification tools for 22FLL FinFET low power process

## 4. ModelSim Student Edition 클릭

The screenshot shows the Mentor Graphics Corporation website for the Higher Education Program. The browser tabs include 'xilinx sim - koporia@gm', 'Cost and Coding Efficiency', 'modelsim pe student edition', and 'Higher Education Program'. The address bar shows 'https://www.mentor.com/company/higher\_ed/'. The website header features the Mentor logo and navigation links: PRODUCTS & SOLUTIONS, TRAINING & SERVICES, COMPANY, BLOGS, and SUPPORT. A search bar is located on the right. The main content area is titled 'Higher Education Program' and includes a description of the program, a 'Download Brochure' button, and a list of 'Program Benefits'. A sidebar on the left contains links to various resources, with 'ModelSim Student Edition' highlighted in a red box. The footer shows the URL 'https://www.mentor.com/company/higher\_ed/modelsim-student-edition' and a Windows taskbar with various application icons.

Mentor Graphics Corporation [US] | [https://www.mentor.com/company/higher\\_ed/](https://www.mentor.com/company/higher_ed/)

Sign In | Create Account

### Higher Education

Search Mentor.com

Company > Higher Education

- News Room
- Events
- Careers
- Consulting Services
- Executive Team
- Investor Relations
- Office Locations & Worldwide Distributors
- Partners and Foundry Support
- Higher Education Program**
  - Program Details
  - Technical Support
  - Applications and Renewals
  - Regional Partners
  - Training
- Environmental Policies & Practices
- Supplier Guide

### Higher Education Program

Mentor Graphics Corporation founded the Higher Education Program in 1985 to further the development of skilled engineers within the electronics industry. The program provides colleges and universities with leading edge design tools for classroom instruction and academic research to help ensure that engineering graduates enter into industry proficient with state-of-the-art tools and techniques.

[Download Brochure](#)  
**Higher Education Program Brochure (PDF)**

### Program Benefits

Through the Higher Education Program, Mentor Graphics strives to develop long term relationships with engineering colleges and universities around the world. Mentor Graphics has partnered with more than 1200 colleges and universities worldwide.

- ✓ Access to millions of dollars worth of Mentor Graphics software for a minimal customer support fee.
- ✓ Free access to regular customer training for all faculty/staff in the department.

### RESOURCES

- ModelSim Student Edition**
- Curriculum Support
- IC and ASIC Design Kits
- Participating Schools
- Contact Us
- FAQ

### GET SUPPORT

SupportNet is your first source for the latest product updates, downloads and configurations. Faculty and staff of member universities should use SupportNet as the primary source for technical support.

[SupportNet](#)

[https://www.mentor.com/company/higher\\_ed/modelsim-student-edition](https://www.mentor.com/company/higher_ed/modelsim-student-edition)

오후 3:50  
2017-09-25



## 5. Download Student Edition 클릭

The screenshot shows the Mentor Graphics website for the ModelSim PE Student Edition. The browser address bar displays the URL: [https://www.mentor.com/company/higher\\_ed/modelsim-student-edition](https://www.mentor.com/company/higher_ed/modelsim-student-edition). The page features a blue header with the Mentor logo and navigation links: PRODUCTS & SOLUTIONS, TRAINING & SERVICES, COMPANY, BLOGS, and SUPPORT. A search bar is located on the right side of the header.

The main content area is titled "Higher Education" and includes a breadcrumb trail: Home > Company > Higher Education > ModelSim PE Student Edition. A left sidebar contains a "News Room" section with links to News Room, Events, Careers, Consulting Services, Executive Team, Investor Relations, Office Locations & Worldwide Distributors, Partners and Foundry Support, Higher Education Program (highlighted), Environmental Policies & Practices, Supplier Guide, and Mentor Foundation.

The "Higher Education Program" section is expanded, showing links to Program Details, Technical Support, Applications and Renewals, Regional Partners, and Training.

The main content area features a large blue button labeled "Download Student Edition", which is highlighted with a red rectangle. Below this button, the text reads: "Free download of industry leading ModelSim® HDL simulator for use by students in their academic coursework."

The "About ModelSim PE Student Edition" section includes three columns of information:

- Highlights**
  - Support for both VHDL and Verilog designs (non-mixed).
  - Intelligent, easy-to-use graphical user interface with TCL interface.
  - Project manager and source code templates and wizards.
- Target Use and Upgrades**
  - ModelSim PE Student Edition is intended for use by students in pursuit of their academic coursework and basic educational projects.
  - For more complex projects, universities and colleges have access to ModelSim and Questa, through the Higher Education Program.
  - ModelSim PE Student Edition is not be used for business use or evaluation. Please contact ModelSim.
- Performance**
  - Capacity: 10,000 lines of executable code
  - Performance (up to capacity): 30% of PE
  - Performance (exceeding capacity): 1% of PE (i.e., 100 times slower than PE).

The right sidebar contains a "RESOURCES" section with links to ModelSim Student Edition, Curriculum Support, IC and ASIC Design Kits, Participating Schools, Contact Us, and FAQ.

The Windows taskbar at the bottom shows various application icons, including Chrome, Edge, File Explorer, Visual Studio Code, Excel, and PowerPoint. The system clock indicates the time is 3:51 PM on 2017-09-25.

## 6. 정보 입력 후 Submit 버튼 클릭

LinkedIn 계정으로 로그인

자동 입력

First Name •  
KilDong

Last Name •  
Hong

Email •  
kdh4452@nate.com

Phone •  
821098514452

A valid email address is required.

Company •  
Inha University

Primary job function •  
Student

Address 1 •  
INHA UNIVERSITY, 100 Inharo, Nam-gu Incheon

Address 2

Country •  
KOREA REPUBLIC OF

Please Provide Your City •  
Incheon

Submit

Already have an account?  
Sign In

Want an account?  
It's free, will only take a minute, and will improve your experience on mentor.com.

- ✓ Access our entire library of white papers and product demos instantly
- ✓ Register for online seminars, events, and training with ease
- ✓ Access your recent activity for easy retrieval of requested resources
- ✓ Manage your account information
- ✓ Sign in to your account from any computer, browser, or location

Create Your Account Now

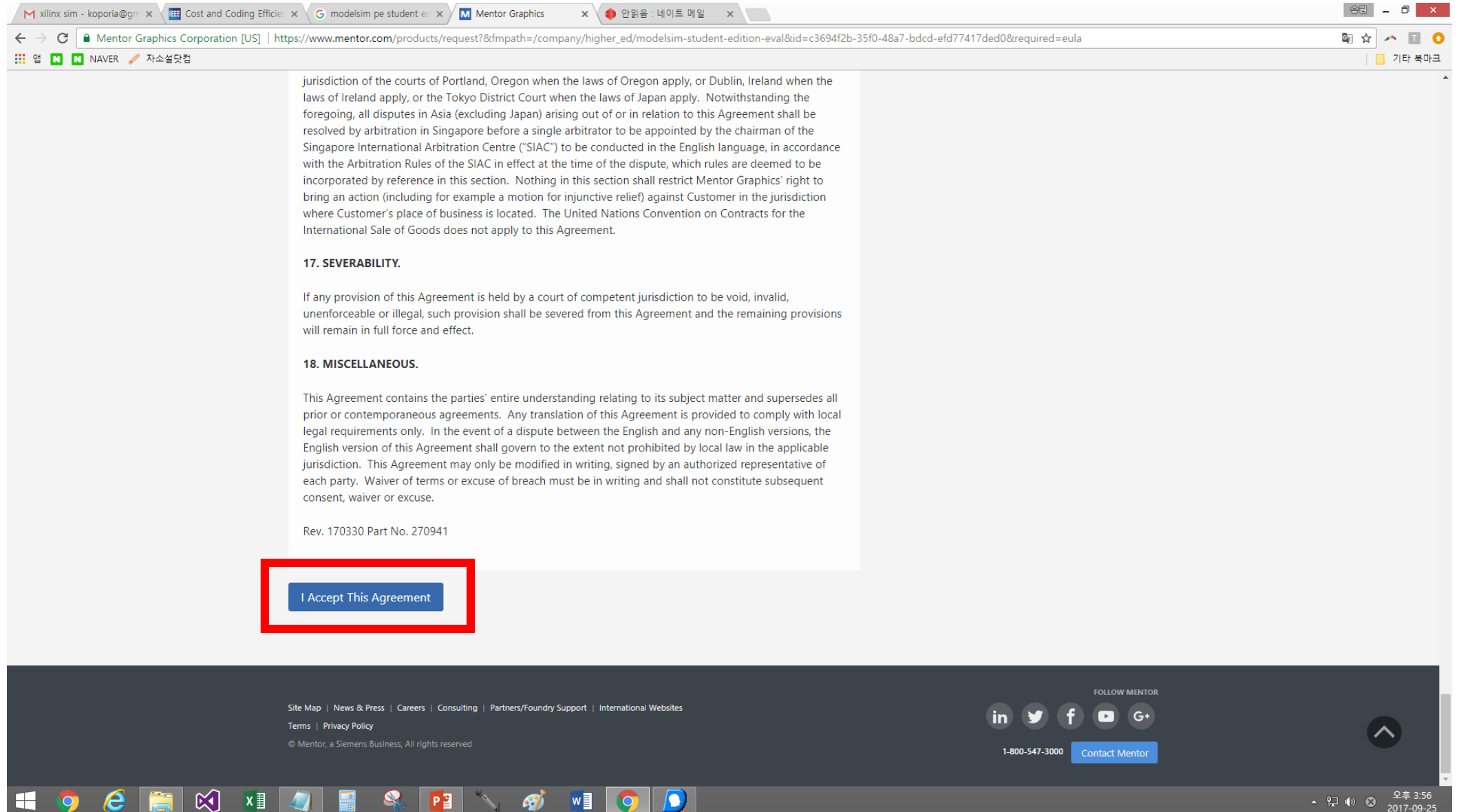
Mentor Graphics and its agents will protect the information that is gathered on this site as stated in our privacy policy. It will not be shared with, bartered, or sold to any third party.

Site Map | News & Press | Careers | Consulting | Partners/Foundry Support | International Websites

FOLLOW MENTOR

오후 3:54  
2017-09-25

## 7. 페이지 마지막 “I Accept This Agreement” 버튼 클릭





## 8. 페이지 6 에서 적었던 메일로 Modelsim PE Student Edition 제목의 메일 수령, 다운로드 링크 클릭

The screenshot shows a web browser window with multiple tabs. The active tab is an email from 'ModelSim PE Student Edition' received from 'sales\_info@mentor.com' on 17-09-25 at 15:57. The email content is from Mentor Graphics and provides instructions for downloading and installing ModelSim PE Student Edition. A red box highlights the download link: <http://go.mentor.com/4UYOs>.

**ModelSim PE Student Edition**

1. Download the latest ModelSim PE Student Edition: <http://go.mentor.com/4UYOs>

- Please note: You must be logged in as the user you wish to install ModelSim PE Student Edition.

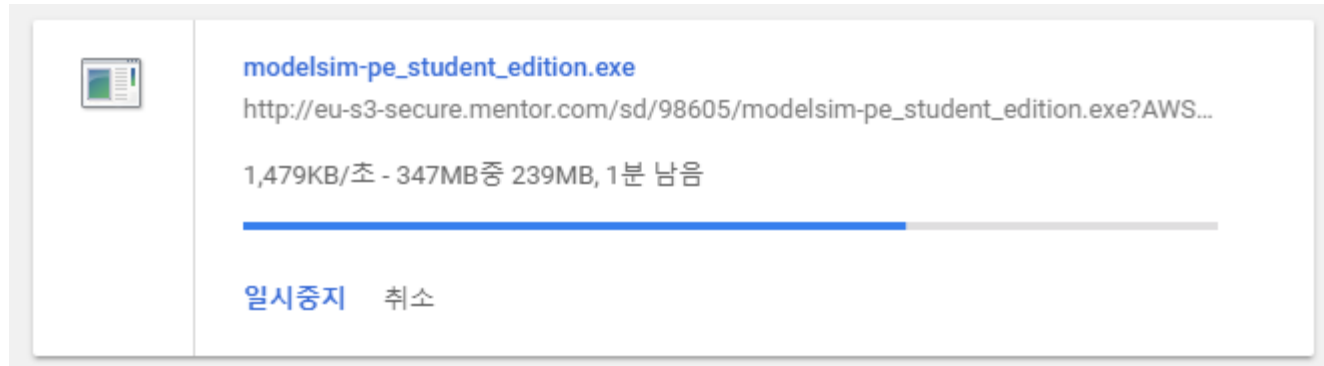
2. Install the Software

- After the file downloads completely, double-click on the .exe file to begin the installation process.
- You must agree to the Mentor Graphics End-User License agreement during installation to continue.

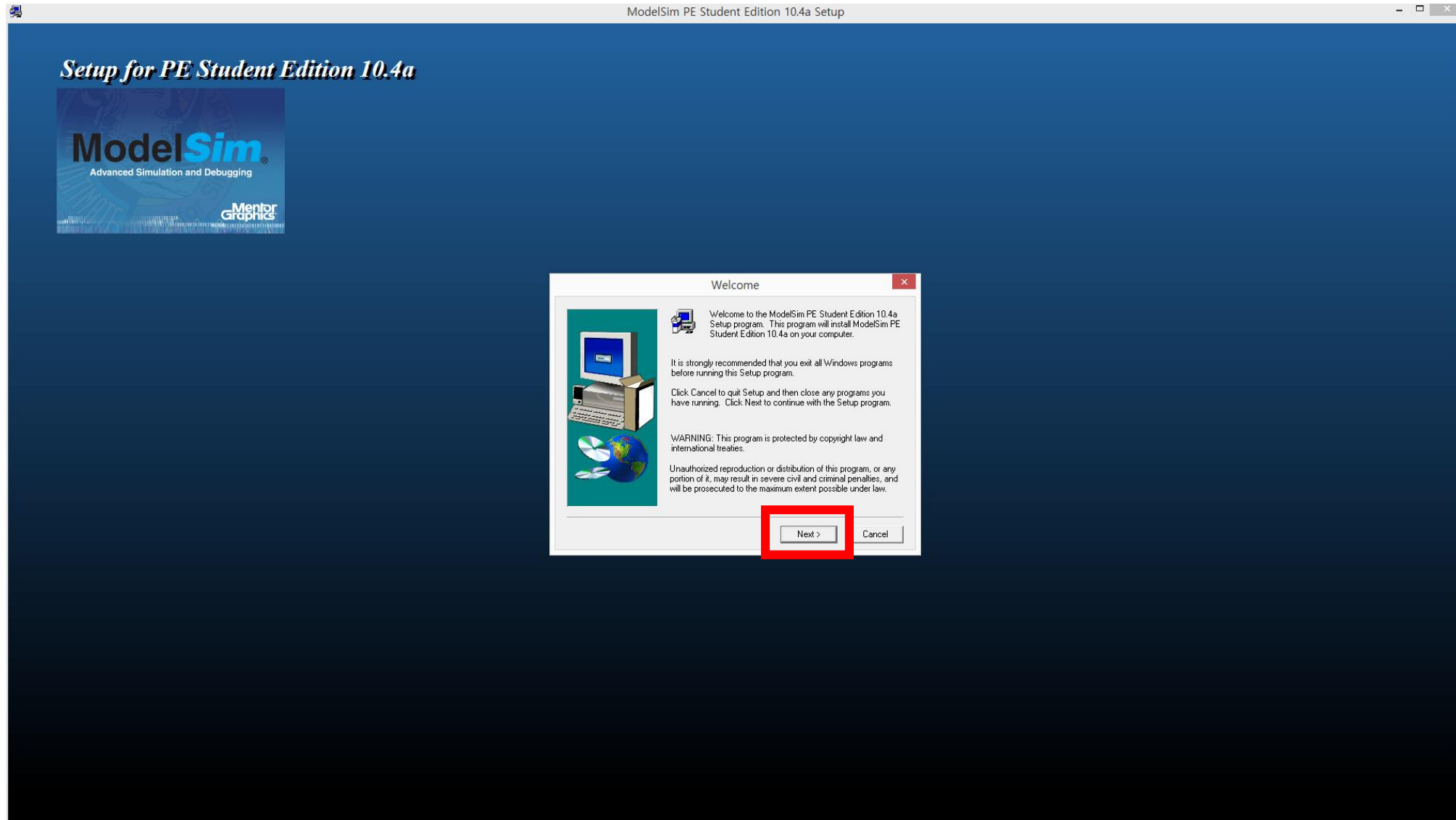
3. Complete the License Request Form

- At the end of the installation process, select Finish and a browser window will open with the License Request form.  
Please note - clicking on an existing license request link from your browser bookmark or from a link posted on the web - WILL NOT WORK.
- Complete the all of the form fields with attention to the email address field and submit the license request form.
- Once your request has been received the ModelSim PE Student Edition license file will be generated, matched to your host computer and will be emailed to you along with license installation instructions.  
Please note - the license.dat file email could get reside in your Spam or Junk mail folder. If you do not receive the email within a few minutes, check your spam folder or email provider.
- If you do not receive your license.dat file email - You will need to rerun the installation sequence and request a new license file. This is an automated process. We are unable to manually generate a license file for you.

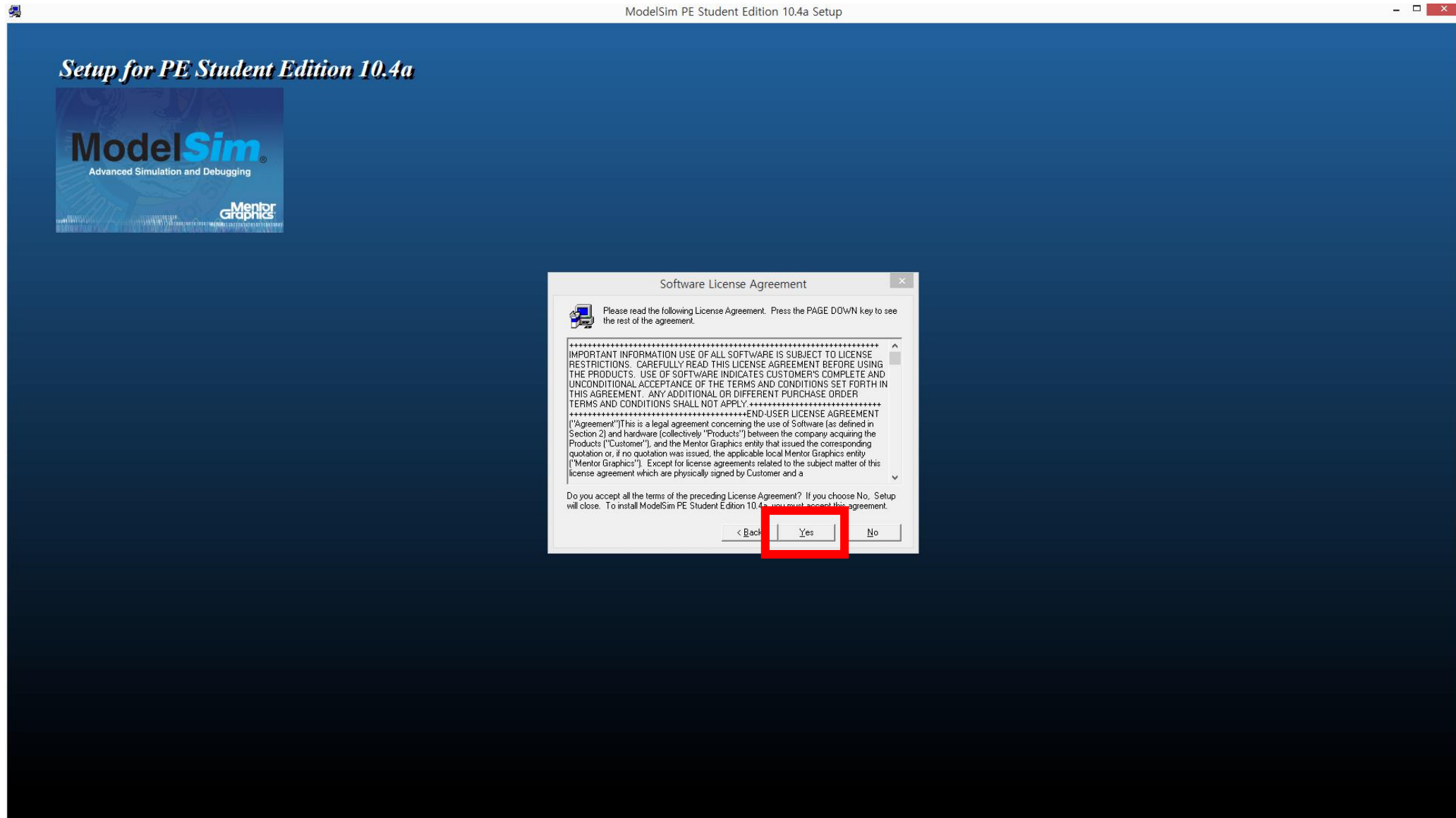
## 9. 다운로드 시작, 347 MByte



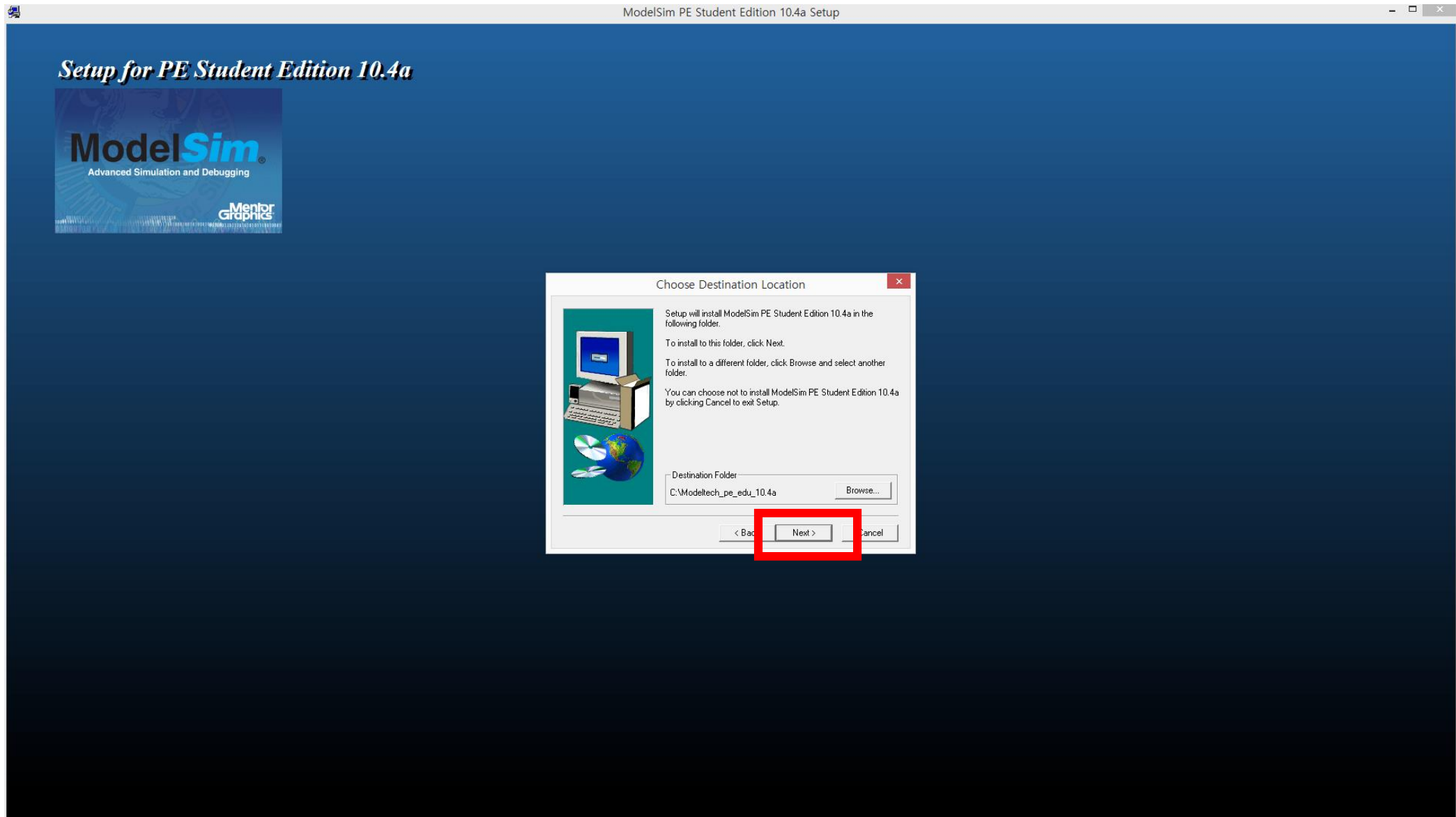
## 10. 다운로드 완료 후 "modelsim-pe\_student\_edition" 파일 실행 후 Next 버튼 클릭



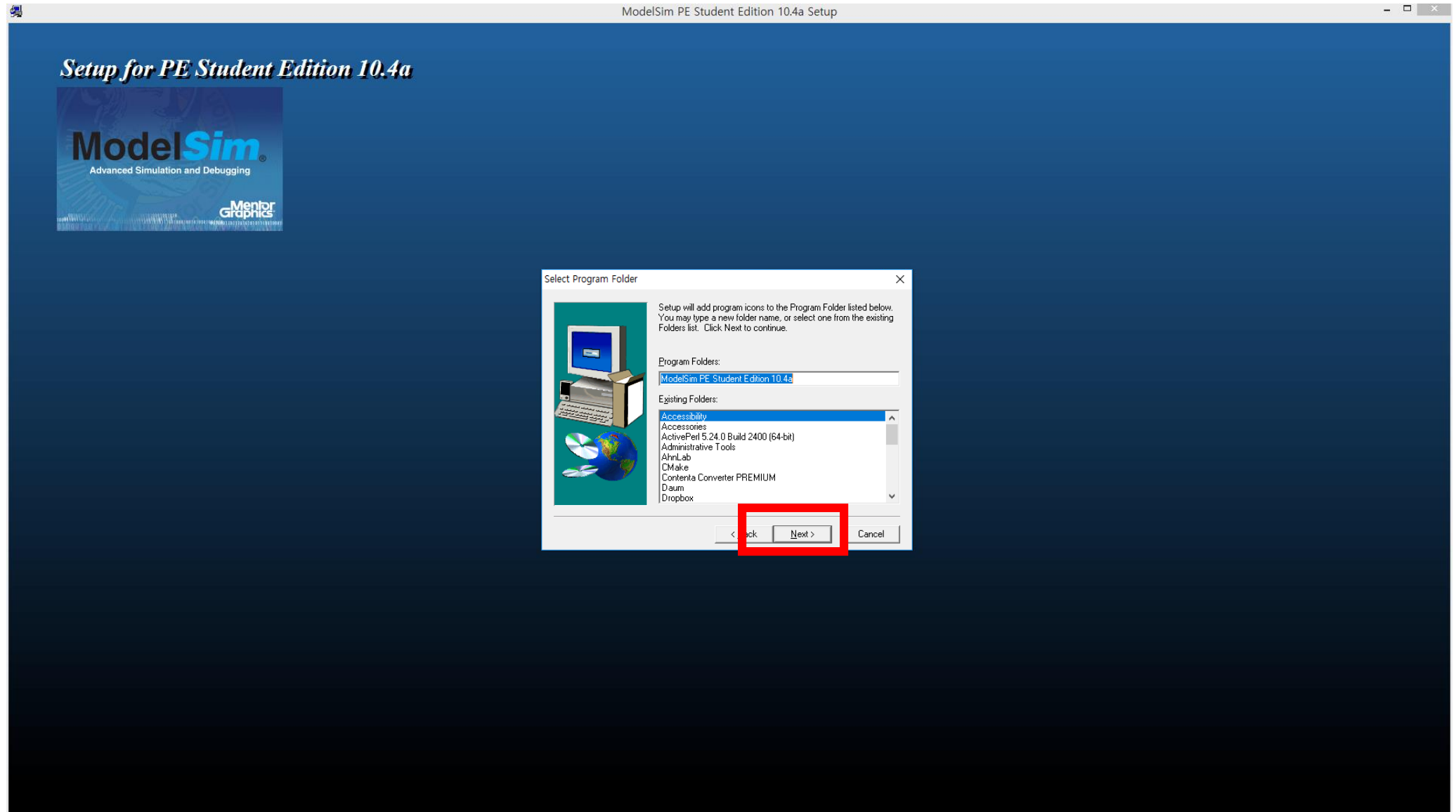
## 11. Yes 버튼 클릭



## 12. 설치 위치 설정, 기본 값으로 두고 Next 버튼 클릭

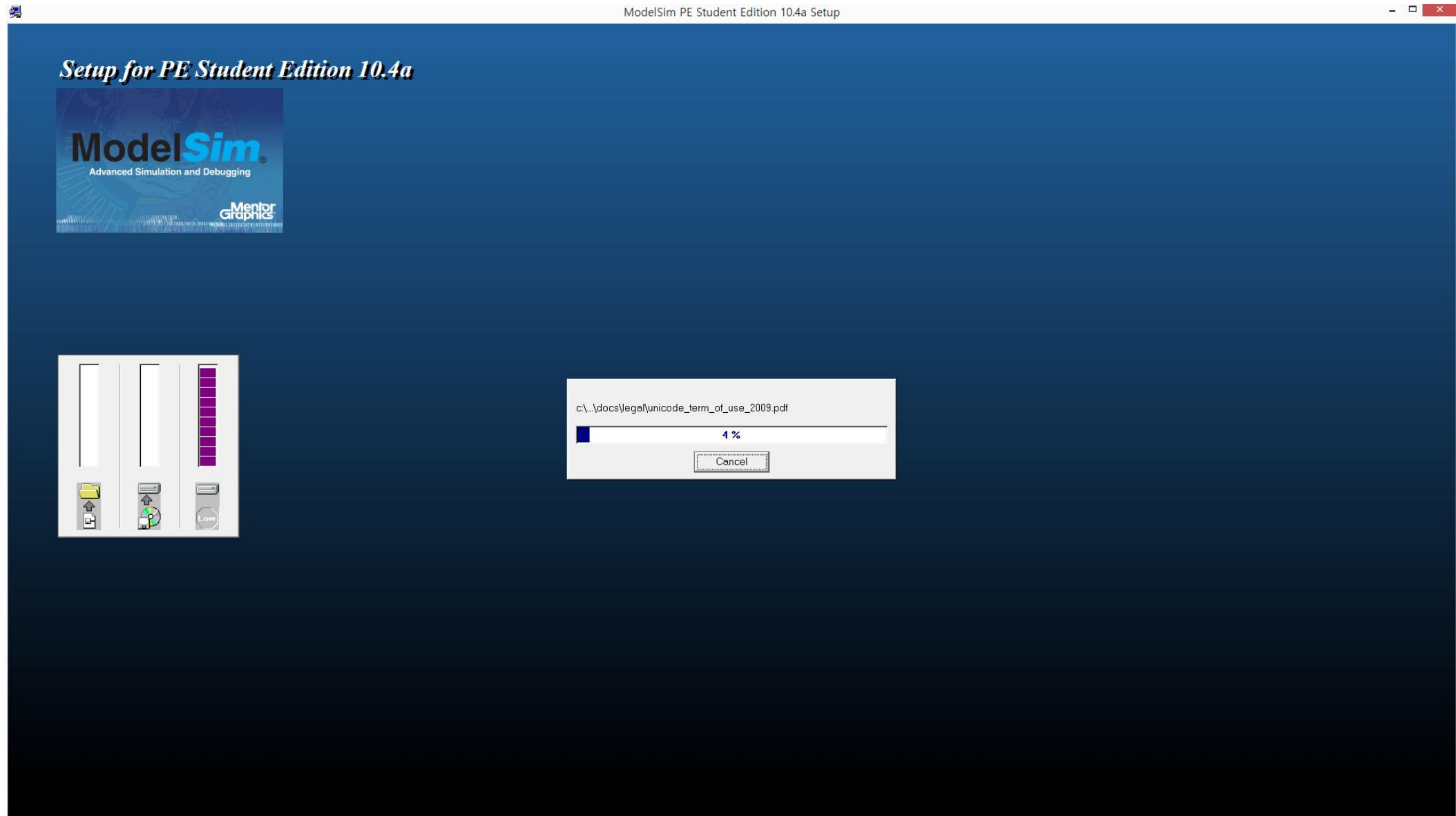


### 13. 파일 이름 설정, 기본 값으로 두고 Next 버튼 클릭

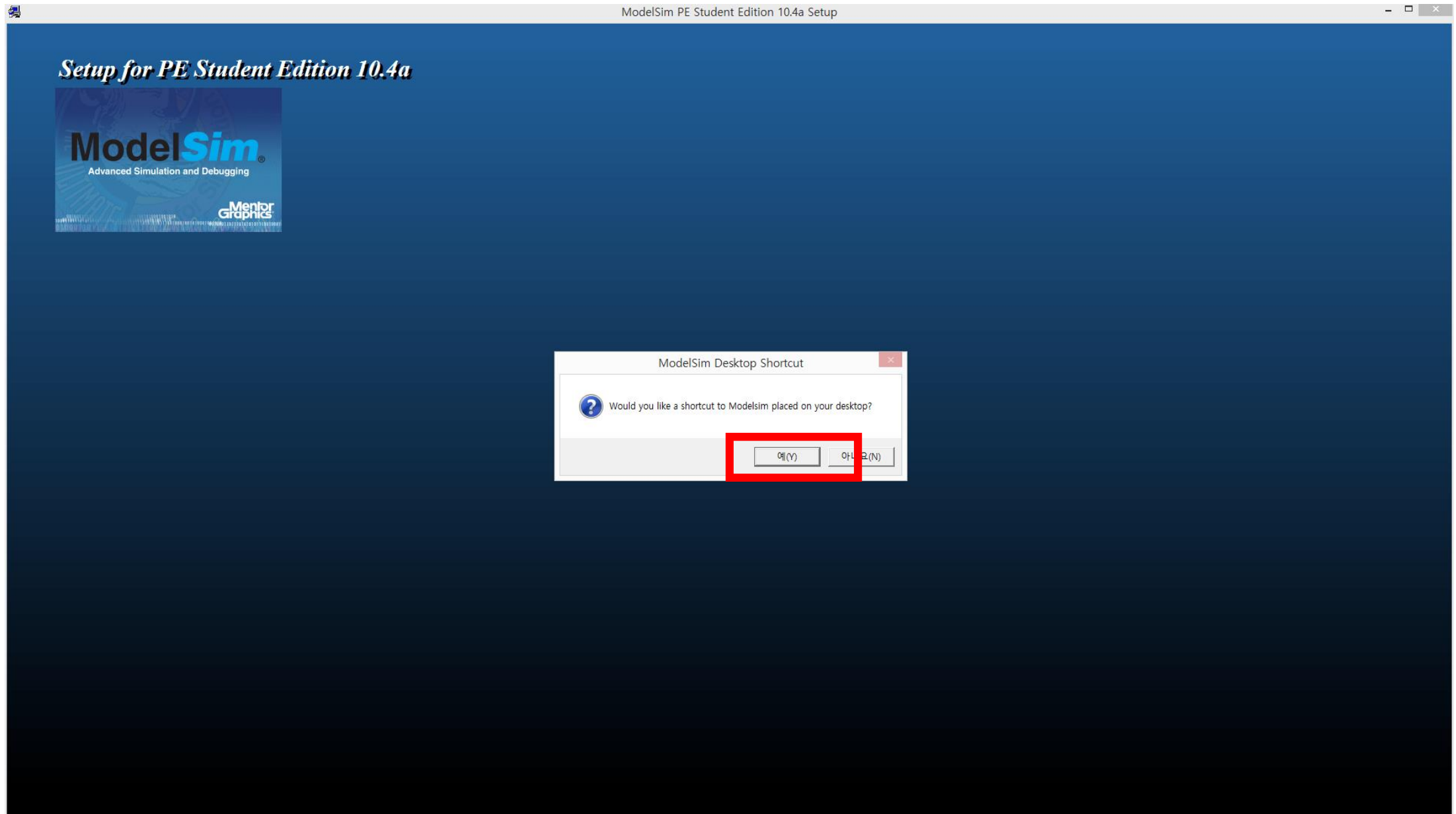




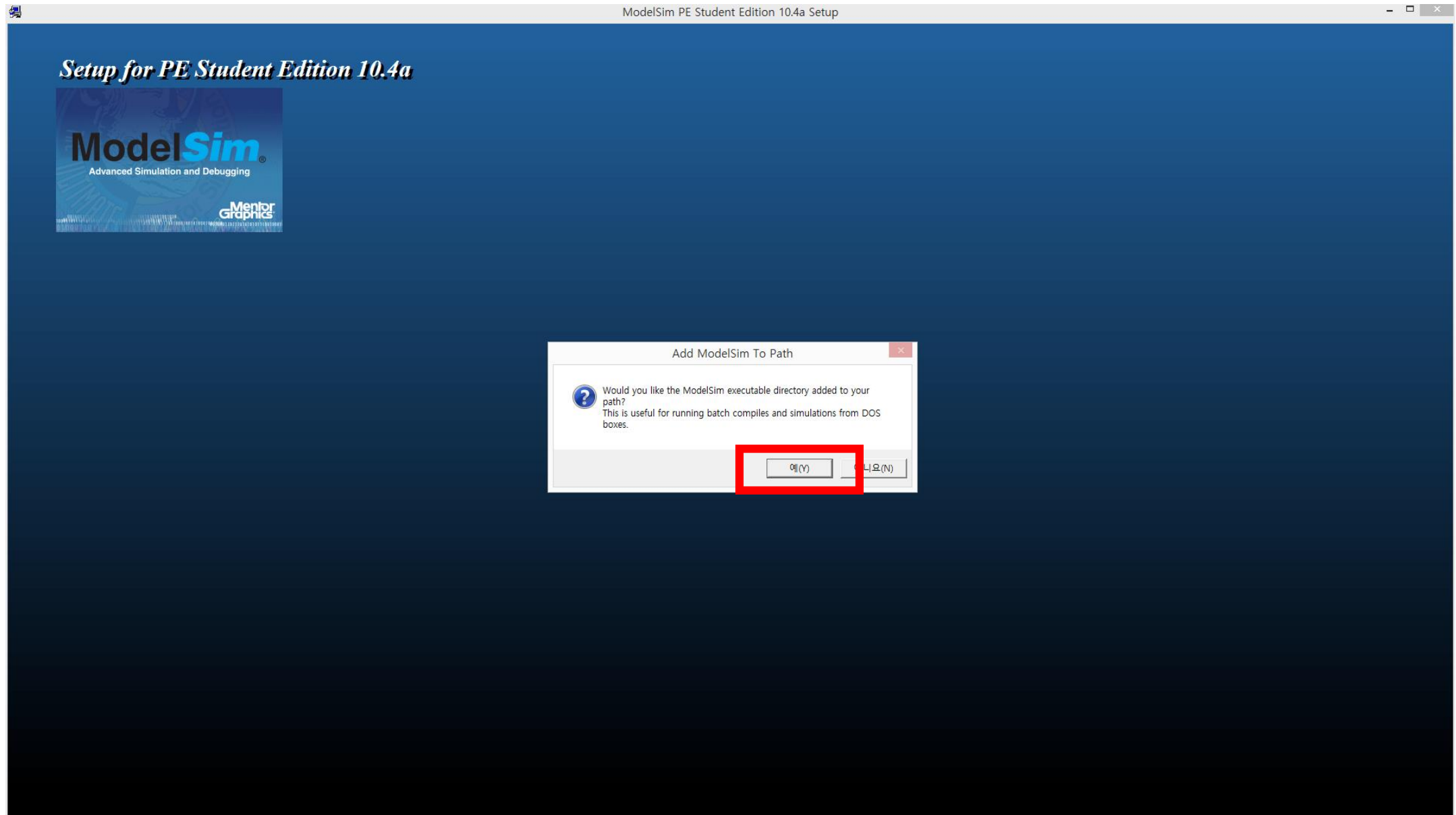
## 14. 설치 시작



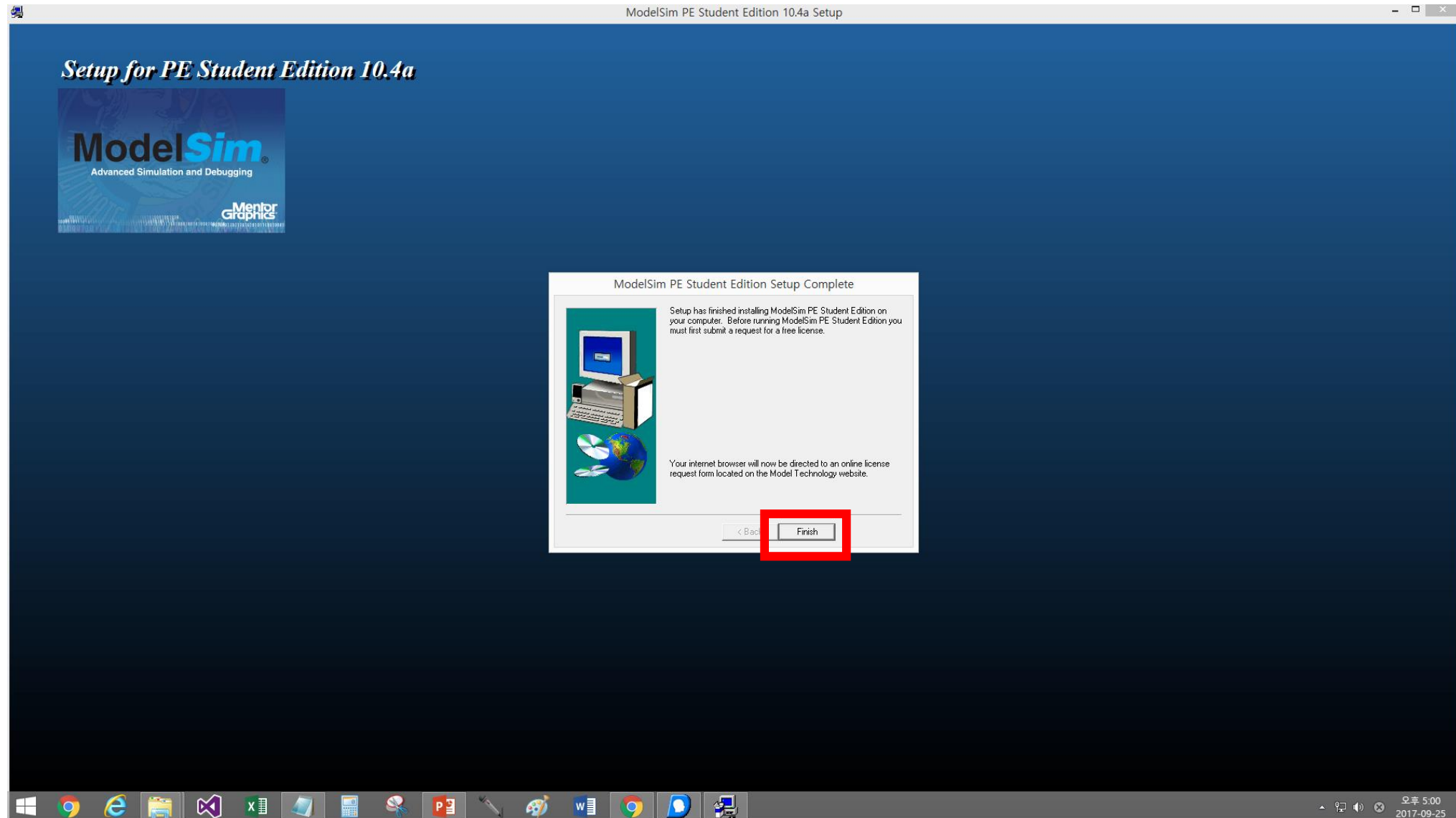
## 15. 설치 완료 후 바로가기 아이콘 생성



## 16. Path 설정



## 17. 설치 완료



18. 설치 완료 후 "http://portal.mentor.com/d/license\_request.asp"에 접속됨, 자신의 정보 입력 후 라이선스 획득  
Ex)

### ModelSim PE Student Edition – License Request

Please complete the form below to have a license file emailed to you.

First Name *	Last Name *
<input type="text" value="KiIDong"/>	<input type="text" value="Hong"/>
Email *	Phone * (No Dashes or Spaces)
<input type="text" value="kdh4452@nate.com"/>	<input type="text" value="821098514452"/>
Email (Please Re-enter your email) *	<small>Please verify your email is correct, as the ModelSim Student Edition license file will be emailed to you.</small>
<input type="text" value="kdh4452@nate.com"/>	
Address *	Address 2
<input type="text" value="INHA UNIVERSITY, 100 Inharo, Nam-gu Inch"/>	<input type="text"/>
City *	State/Province (US or Canada Only)
<input type="text" value="Incheon"/>	<input type="text"/>
Country *	Zip/PostCode *
<input type="text" value="KOREA REPUBLIC OF"/>	<input type="text" value="KS006"/>

### Please tell us about yourself

Please specify your University, College, School, or Institute: \*

Are you a Student or Instructor? \*

☒ Student ☐ Professor / Instructor ☐ Other:

If you are a student:

Please indicate your grade or position: \*

☐ Freshman ☒ Sophomore ☐ Junior ☐ Senior ☐ Graduate Student

Expected graduation year: \*

Expected graduation term: \*

☒ Spring ☐ Summer ☐ Fall ☐ Winter

Have you lined up a job where you'll be using a simulator upon graduation?

☐ Yes ☒ No

If yes, for which company?

Which design languages have you used and are using? \*

☐ SystemVerilog ☐ C/C++  
☒ Verilog ☐ Vera  
☐ VHDL ☐ e  
☐ SystemC ☐ None

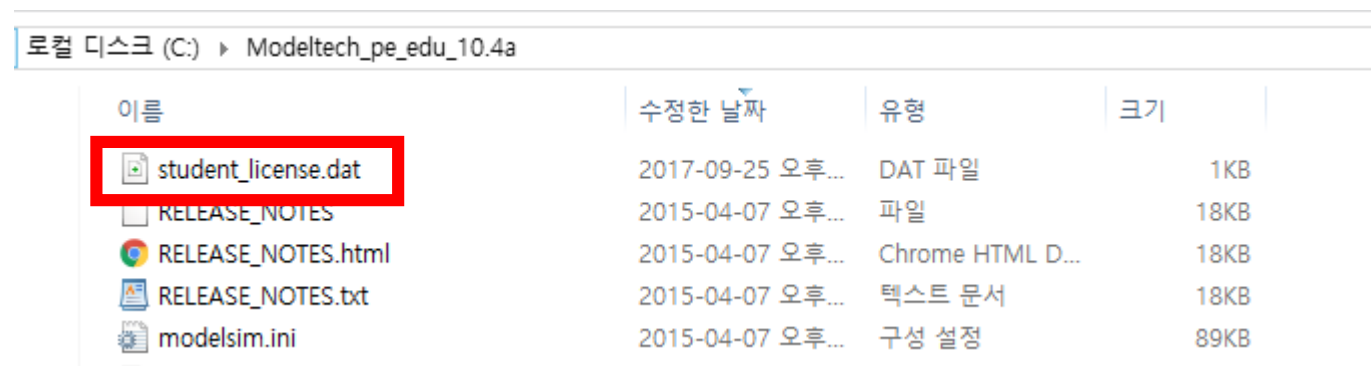
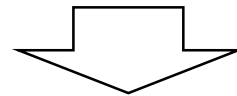
What other Simulation tools have you used? \*

Please briefly describe the project you will be using ModelSim Student Edition for: \*

Request License

Reset

## 19. 메일을 통해 라이선스 파일을 C:\Modeltech\_pe\_edu\_10.4a에 저장





## 20. ModelSim PE Student Edition 10.4a 실행 – 설치 완료

