



## AUTODESK® REVIT® MEP 2016 ESSENTIALS

SCAL Academy is an Autodesk Authorized Training Centre.

### INTRODUCTION

Autodesk® Revit® MEP software is the Building Information Modeling (BIM) solution for mechanical, electrical, and plumbing (MEP) engineers, providing purpose-built tools for building systems design and analysis. BIM Technology has been identified as a key driver to improve work processes among all project stakeholders and it is mandatory for all Regulatory Submission since 2015. Hence, Construction Practitioners will benefit from gaining a deeper understanding of BIM.

### COURSE CONTENT

Table of Contents	
Introduction to BIM and Revit MEP	
❖	Introduction to Autodesk Revit, Its Interface, including viewing, Drawing and editing tools
Design Development Phase	
❖	Working with linked architectural files
❖	Creating and modifying views
❖	Understanding MEP systems in general
❖	Creating spaces and zones
❖	Analyzing heating and cooling loads
❖	Working with HVAC module to add air terminals, mechanical equipment, and create HVAC systems
❖	Working with Piping module to add mechanical equipment as well as creating hydronic piping systems
❖	Working with fixtures, piping systems, and analysis tools in the plumbing module
❖	Working with fire protection systems
❖	Working with components, circuits, cable tray and conduits in the Electrical module
Construction Documents Phase	
❖	Creating and annotating construction documents
❖	Adding tags and creating schedules
❖	Detailing in Autodesk Revit MEP

### Subsidized Course Fee:

SCAL/SLOTS Members-	\$642.00
Non-Members	- \$695.50
(inclusive of GST and course materials)	



<b>TARGET AUDIENCE</b>	This course will benefit draftspersons, modelers, project coordinators, consultants as well as industry practitioners who are interested to learn more about BIM technology through hands-on sessions.
<b>PRE-REQUISITES</b>	This training guide introduces the fundamental skills in learning the Autodesk Revit MEP software. It is highly recommended that students have experience and knowledge in MEP engineering and its terminology.
<b>CERTIFICATION</b>	Autodesk Certificate of Completion will be awarded to participants who achieved at least 75% of attendance.
<b>CLASS SIZE</b>	Minimum 8, Maximum 16
<b>REGISTRATION</b>	For more information on the above course, please contact Ms Tan Wei Xuan / Ms Elene Yeo at Tel: 6793 9020 / E-mail: <a href="mailto:weixuan@scal.com.sg">weixuan@scal.com.sg</a>   <a href="mailto:elene@scal.com.sg">elene@scal.com.sg</a> . Alternatively, visit our website at <a href="http://www.scal-academy.com.sg">www.scal-academy.com.sg</a> .

**Date:** 27, 28, 29, 30 November, 1, 4, 5, 6, 7 and 8 December 2017 (10 Evening)  
8, 10, 15 and 17 January 2018 (4 Full Day)  
22, 23, 24, 25, 26, 29, 30, 31 January, 1 and 2 February 2018 (10 Evening)  
6, 8, 13 and 15 March 2018 (4 Full Day)  
26, 27, 28 March, 2, 3, 4, 5, 6, 9 and 10 April 2018 (10 Evening)

**Time:** 9.00am – 5.30pm (Full Day / Saturday) | 6.30pm – 9.30pm (Evening)  
**Venue:** Singapore Contractors Association Ltd  
Construction House  
1 Bukit Merah Lane 2, Singapore 159760

### Accreditation:

PDU's – 30 Units  
CET – 30 Hours  
(PENDING)



# SCAL ACADEMY

SCAL Academy Pte Ltd,  
No 150 Neil Road,  
Singapore 088879  
Tel: 6793 9020  
Fax: 6793 4401

## APPLICATION FORM

(Medium of Instruction: **English**)



CIR/AUTO/ARCHI/260814

	<b>Preferred Course Date</b>
<b>Autodesk® Revit® MEP 2016 Essentials</b>	

\* SCAL / SLOTS members / Others Amount: \_\_\_\_\_ \*Cash / NETS/ Cheque No.: \_\_\_\_\_  
 (Delete where applicable) (inclusive GST) (Please issue separate cheque for different courses)

Receipt No.: \_\_\_\_\_ Invoice No.: \_\_\_\_\_ Date Received: \_\_\_\_\_

### Section I: (Complete this section if participant is sponsored by company)

<b>Co. Name:</b>		<b>Co. ROC No:</b>	
<b>Co. Address:</b>			<b>Postal Code:</b>
<b>Contact person:</b>	<b>Tel:</b>	<b>Fax:</b>	<b>Email:</b>

### Section II: Particulars of Participant (ALL FIELDS ARE MANDATORY)

<b>Name:</b>		<b>Gender: M / F</b>	<b>Date of Birth:</b>
<b>NRIC No / Passport No:</b>		<b>Nationality:</b>	
<b>EP/ S Pass/ Work Permit No:</b>		<b>FIN No:</b>	
<b>Educational Qualification:</b>		<b>Occupation:</b>	
<b>Address in Singapore:</b>			<b>Postal Code:</b>
<b>Tel:</b>	<b>Email:</b>	<b>Handphone:</b>	

### Registration

Please fax the completed registration form to **Fax No: 6793 4401**.

Registration is on a first-come-first-serve basis, and **will close when the class is full**. Please note that SCAL Academy reserves the right to restrict this course to participants with suitable and relevant qualification and experience.

### Cancellation / Change of Course Date

A notice of cancellation must be **given at least 3 working days** before commencement of the course and **50% of course fee** will be refunded. If notice is given **less than 3 working days** before the first day of the course, there will be **no refund / course fees will be charged accordingly**. **SCAL** reserves the right to cancel or postpone any course due to unforeseen circumstances. All dates shown are subject to final confirmation.

### Replacement / Postponement

A notice of replacement / postponement together with the full particulars of the new participant (for replacement) must be given to us **AT LEAST 3 working days** before the course commencement. A charge of S\$50 (replacement) or S\$100 (postponement) will be imposed on such changes.

### Payment

Kindly issue your cheque payable to "SCAL Academy Pte Ltd" and forward it together with your application form to SCAL Academy, 150 Neil Road, Singapore 088879. Please issue separate cheques for different batches.

For more information, please contact Ms Tan Wei Xuan / Ms Elene Yeo:

☎ 6793 9020

☎ 6793 4401

📍 SCAL Academy, No 150 Neil Road, Singapore 088879

Website: [www.scal-academy.com.sg](http://www.scal-academy.com.sg)

Email: [weixuan@scal.com.sg](mailto:weixuan@scal.com.sg) | [elene@scal.com.sg](mailto:elene@scal.com.sg)

**IMPORTANT:** Please note that fees shown on course brochures are subjected to revision without prior notice.

\*\*How did you get to know about SCAL Academy?

- |                                      |   |                                   |  |
|--------------------------------------|---|-----------------------------------|--|
| <input type="checkbox"/> Email       | <input type="checkbox"/> Newspaper              | <input type="checkbox"/> Website  | <input type="checkbox"/> Brochures/ Flyers |
| <input type="checkbox"/> Telephone   | <input type="checkbox"/> Referral/Word-of-Mouth | <input type="checkbox"/> Internet | <input type="checkbox"/> Directories       |
| <input type="checkbox"/> Exhibitions | <input type="checkbox"/> Others: _____          |                                   |  |