

(Affiliated to Visvesvaraya Technological University, Belagavi& Approved by AICTE, New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

### DEPARTMENT OF CIVIL ENGINEERING

### CIRCULAR

Date: 17/05/2022

**Subject:** Academic committee members meeting for analyzing curriculum syllabus of Academic Year 2021-22.

This is to inform that there will be a meeting of Academic committee members for analyzing curriculum syllabus of academic year 2021-22. The meeting is scheduled on 18/05/2022 at 10.00 am in HOD's chamber.

Sl No. Faculty Name		Designation	Signature
1	Dr. Rajeshwari R	HOD	2
2	Prof. Pramod K R	Assistant Professor	V
3	Prof. Shobha Y N	Assistant Professor	Shir

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 000

HOD HOD, Dept. of Civil Engg. S.C.E, Bangalore-560 057



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### DEPARTMENT OF CIVIL ENGINEERING

Date: 17/05/2022

### MINUTES OF MEETING

With reference to circular dated on 18/05/2022, the academic committee member assembled in HOD's chamber for addressing the following agenda.

### Agenda:

- Reviewing the analysis of department curriculum syllabus of Academic Year 2021-22
- Identifying the gaps
- Action to be taken for the identified gaps.

During the meeting the following members were present

Sl No.	Faculty Name	Designation
1	Dr. Rajeshwari R	HOD
2	Prof. Pramod K R	Assistant Professor
3	Prof. Shobha Y N	Assistant Professor

The following points were discussed in the meeting

- 1. The committee members reviewed the analysis of department curriculum syllabus.
- 2. The committee members discussed about the feedback of department curriculum syllabus.
- 3. The members identified the gaps based on the analysis.
- 4. The following actions were taken for the gaps that are identified.

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### DEPARTMENT OF CIVIL ENGINEERING

SL.NO	SEM	Course Title	Identified Gap
1	6 <sup>th</sup> Semester	Hands on Training  -Revit  Architecture	Lack of practical Knowledge on Revit Software

### **Action Taken:**

Based on the feedback obtained from Students, Faculties and Alumni and analysis of syllabus by department academic committee members, it was decided to conduct certification course to overcome the gaps identified in the curriculum/syllabus.

SI No.	Faculty Name	Designation	Signature
1	Dr. Rajeshwari R	HOD	2
2	Prof. Pramod K R	Assistant Professor	R
3	Prof. Shobha Y N	Assistant Professor	Sho

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### DEPARTMENT OF CIVIL ENGINEERING

Date: 20-05-2022

### **CIRCULAR**

This is to inform that the following Academic Committee members are requested to attend the meeting on 21/05/2022 at 10.30AM in the HODs chamber to decide the Guest Speaker, syllabus and the lesson plan for the certification program on "Hands on Training -Revit Architecture".

Sl No.	Faculty Name	Designation	Signature	
1	Dr. Rajeshwari R	HOD	2	
2	Prof. Pramod K R	Assistant Professor	R	
3	Prof. Shobha Y N	Assistant Professor	She	

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### DEPARTMENT OF CIVIL ENGINEERING

### **Minutes of Meeting**

A meeting was conducted on 23-May-2022 in Civil HODs Chamber to discuss and approve the following about the 5 days Certification Course for 6<sup>th</sup> semester CV Students.

Course Title: Hands on Training -Revit Architecture

Program Coordinator: Prof. Pramod K R and Pro Shobha Y N

Resource Person: Mr. Viswas K Viswanathan, Auto Desk Training Partner, Auto Desk, ATC CAD

Center, Bengaluru

Course Duration & Date: 8 Days from 27- May-2022 to 04-Jun-2022

Syllabus: Revit Model- Planning, Drawing, Rendering.

Lesson Plan of the certification program

Day	Time	Topics to be covered
		User Interface The Ribbon Framework
	1.30pm	About Building Elements
Day 1 Friday	to 4.30pm	About Families
		About Projects
Day 2 Saturday	1.30pm to 4.30pm	About Project Templates. About the Default Project Template
		About Revit File Types Aids
Day 3	1.30pm to	About Wall Properties Modifying Walls
Monday	4.30pm	About Joins Editing and Preventing Wall Joins
Day 4 Tuesday	1.30pm to 4.30pm	About Compound Walls About Modifying

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### DEPARTMENT OF CIVIL ENGINEERING

Day 5 Wednesday	1.30pm to 4.30pm	About Vertically Compound Walls  Edit Tools  Clipboard Tools
Day 6 Thursday	1.30pm to 4.30pm	Creating a New Door Type About Windows Process of Adding and Modifying Windows Floors Modifying Floors
Day 7 Friday	1.30pm to 4.30pm	About Temporary Dimensions About Permanent Dimensions About ConstraintsApplying and Removing Constraints
Day 8 Saturday	10.30am to 4.30pm	Practice

The following members were present in the meeting and the syllabus and lesson plan for the certification program has been decided.

SI No.	Faculty Name	Designation	Signature
1	Dr. Rajeshwari R	HOD	2
2	Prof. Pramod K R	Assistant Professor	V
3	Prof. Shobha Y N	Assistant Professor	Slay

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### DEPARTMENT OF CIVIL ENGINEERING

Date:20/05/2022

To

**IQAC** Sapthagiri College of Engineering Bengaluru-560 057

forwarded for approved
and refreshing to

(R. HAR, 87)

Respected sir/madam,

Subject: Requisition for conduction of certification course and approval from Governing Council.

With respect to the Academic committee members meeting was held for analyzing department curriculum/syllabus for the academic year 2021-22. The committee members identified few gaps after analyzing the syllabus and feedback from the stakeholders. To bridge the gaps identified in the curriculum, the committee members decided to conduct a certification course for the academic year 2021-22. So, I request you to forward and get the approval from the governing council for the same.

Thanking You,

S.C.E. Bahyatore 560 057.

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### DEPARTMENT OF CIVIL ENGINEERING

Date: 21/05/2022

### From:

The HOD,
Department of Civil Engineering,
Sapthagiri College of Engineering,
Bengaluru-560057

### To:

The Principal,
Sapthagiri College of Engineering,
Bengaluru-560057

Respected Sir,

Subject: Requisition for the approval to Conduct Certification Program

Department of Civil Engineering has planned to conducta 8 days certification program on "Hands on Training –Revit Architecture" from 27-May-2022 to 04-Jun-2022. So, I request you to kindly consider and approve the same so as to proceed further. Thanking you,

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghetta Main Roas
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Yours faithfully,

HOD 21/05/22

Dept. of Civil Engg. S.C.E, Bangalore-560 057.



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### DEPARTMENT OF CIVIL ENGINEERING

Date:23-05-2022

To,

Mr. Viswas K Viswanathan Auto Desk Training Partner, Auto Desk ATC CAD Center Bengaluru

Respected Sir,

Subject: Invitation as a "Resource Person" in certification program and to attend meeting to discuss about the certification program

Department of CivilEngineering has planned to conduct a certification program titled Hands on Training –Revit Architecture" for 6<sup>th</sup> semester students from 27-05-2022 to 04-06-2022. In this connection, we are privileged to invite you as a guest speaker on the above mentioned topic.

Thanking you for your kind acceptance to our request on phone. We request you to attend the meeting to discuss about the conduction of certification course on 23/05/2022 at 10.30AM in C ivil HODs Chamber. We look forward to welcome you at SCE.

Thanking you

Principal
Sapthagiri College of Engineerin
14/5, Chikkasandra, Hasaraghatta Main Row
Bengaluru - 560 057

Yours faithfully

HOD Lept. of Civil Engl

S.C.E, Bangalore-560 057.



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### DEPARTMENT OF CIVIL ENGINEERING

In Association with

Autodesk ATC CAD Center

BIM COURSE USING REVIT ARCHITECTURE Organizing Training on



# Resource Person

Mr. Viswas K Viswanathan, Mr. Sunil Kumar and Ms. Rituparna Autodesk Training partner, Autodesk ATC CAD Center

Bengaluru

Date: 27/05/22

Patrons:

Sri. G. Dayananda Chairman

HOD, Dept. of Civil Dr. Rajeshwari R

Time: 1.30pm

Executive Director Sri. G.D Manoj

Prof. Shobha Y N Prof. Pramod KR

Co-Ordinator

Dr. H. Ramakrishna Principal

Sapthagirl College of Engineering Bengaluru - 560 057 Principal



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### DEPARTMENT OF CIVIL ENGINEERING

### NOTICE

As a part of programming skill development, Department of Civil Engineering is conducting Eight days Certification Course on "Hands on Training –Revit Architecture" from 27-May-2022 to 04-June-2022 for 6<sup>th</sup> Semester civil students. The interested Students enroll your names with Mr. Pramod K R.

Sapthagiri College of Engineering 14/5, Chikkasandra, Hesaraghatta Main Road Bengaluru - 560 057 Signature of HOD

HOD, Dept. of Civil Enga. S.C.E, Bangalore-560 037



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### DEPARTMENT OF CIVIL ENGINEERING

### <u>Eight days Certification Program on "Hands on Training –Revit</u> <u>Architecture"</u>

### **Students Enrollment**

Sl.No.	USN	Student Name
1	1SG18CV020	GIRISH M
2	1SG18CV030	MAYUR K
3	1SG18CV048	SHARATH PATIL
4	1SG18CV049	SHIVAPRASAD V
5	1SG19CV001	ABHISHEK S N
6	1SG19CV003	AMRUTHA D
7	1SG19CV004	ANIL KUMAR B V
8	1SG19CV005	ATHISH SANJAY NAYAKA
9	1SG19CV006	BHUVAN S
10	1SG19CV008	CHANDANA C
11	1SG19CV009	DARSHAN R
12	1SG19CV010	DARSHAN S
13	1SG19CV011	DIVAKAR N G
14	1SG19CV012	GOPALKUMAR P
15	1SG19CV013	GURUPRAKASH AGNI
16	1SG19CV014	HARISH KUMAR B
17	15G19CV015	HEMANTH GOWDA'P
18	1SG19CV016	KEERTHANA B
19	1SG19CV017	KEERTHI K M
20	1SG19CV018	KIRAN H N
21	1SG19CV019	KRISHNA KANT SAHU
22	1SG19CV020	MAHADEV PRASAD R
23	1SG19CV021	MD NASRULLAH FAIZ
24	1SG19CV022	MOKSHA LAKSHMI B R
25	1SG19CV023	MONISHA G
26	1SG19CV024	N PREETHI RAJ
27	1SG19CV025	NEHA MURTHY G
28	1SG19CV026	PRUTHVI RAJ R
29	1SG19CV027	PRUTHVI S BHAT

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### DEPARTMENT OF CIVIL ENGINEERING

30	1SG19CV028	PUNITH KP
31	1SG19CV029	PUNITH KUMAR S
32	1SG19CV031	RESHMA M L
33	1SG19CV032	RISHAB
34	1SG19CV033	ROHITH V
35	1SG19CV034	ROOPESH YADAV V
36	1SG19CV035	SHAMANTH K C
37	1SG19CV036	SYED HASEEB
38	1SG19CV037	THANUSHREE V
39	1SG19CV038	UJWAL B PATEL
40	1SG19CV039	VEENASHRI
41	1SG19CV040	VISHWAS R
42	1SG19CV041	YASHAS G
43	1SG19CV042	YASHAS S
44	1SG19CV043	YOGESH GOWDA S
45	1SG19CV044	WAQAS AHMAD SHEIKH
46	1SG19CV045	PRASHANTH GOWDA N C
47	1SG20CV400	ABHISHEK D
48	1SG20CV401	ANAND S
49	1SG20CV402	DILIP KUMAR M U
50	1SG20CV403	KAUSAR PARVEEN
51	1SG20CV404	NAVEEN K B
52	1SG20CV405	SANTHOSHA G B
53	1SG20CV406	SRINIVAS GOWDA
54	1SG20CV407	VARUN B M
55	1SG20CV408	YOGESH MURTHY

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### DEPARTMENT OF CIVIL ENGINEERING

### 5 DAYS HAND-ON TRAINING ON REVIT ARCHITECHTURE

### STUDENT ATTENDANCE

SL	NAME OF THE	USN	6/12/2021	7/12/2021	8/12/2021	9/12/2021	10/12/2021
NO	STUDENT		P	P	P	P	P
1	GIRISH M	1SG18CV020	A	P	P	P	P
2	MAYUR K	1SG18CV030	P	P	P	P	P
3	SHARATH PATIL	1SG18CV048	P	P	P	P	P
4	SHIVAPRASAD V	1SG18CV049	P	P	P	P	P
5	ABHISHEK S N	1SG19CV001	P	P	A	P	P
6	AMRUTHA D	1SG19CV003	P	P	P	P	P
7	ANIL KUMAR B V	1SG19CV004	P	P	P	P	P
8	ATHISH SANJAY NAYAKA	1SG19CV005	P			Harris San Da	D
9	BHUVAN S	1SG19CV006	P	P	P	P	P
10		1SG19CV008	P	P	P	P	P
	CHANDANA C	1SG19CV009	P	P	P	P	P
11	DARSHAN R	1SG19CV010	P	P	P	P	P
12	DARSHAN S	1SG19CV011	P	P	P	P	P
13	DIVAKAR N G	1SG19CV012	P	P	P	A	P
14	GOPALKUMAR P	1SG19CV012	A	P	P	P	P
15	GURUPRAKASH AGNI		P	P	P	P	P
16	HARISH KUMAR B	1SG19CV014	P	P	P	P	P
17	HEMANTH GOWDA P	1SG19CV015	P	P	P	P	P
18	KEERTHANA B	1SG19CV016	P	P	P	P	P
19	KEERTHI K M	1SG19CV017	P	P	P	P	P
20	KIRANHN	1SG19CV018	P	P	P	P	P
21	KRISHNA KANT SAHU	1SG19CV019	P	P	P	P	P
22	MAHADEV PRASAD R	1SG19CV020	P	P	P	P	P
23	MD NASRULLAH FAIZ	1SG19CV021		A	P	P	P
24	MOKSHA LAKSHMI B R	1SG19CV022	P	P	P	P	P
25	MONISHA G	1SG19CV023		P	P	P	P
26	N PREETHI RAJ	1SG19CV024	P	P P	P	P	P
27		1SG19CV025	P	P	P	P	P
28		ISG19CV026	P		P	P	P
29		1SG19CV027	P	P Principa		1	

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30	PUNITH KP	1SG19CV028	P	P	P	P	P
31	PUNITH KUMAR S	1SG19CV029	P	P	P	P	P
32	RESHMA M L	1SG19CV031	P	P	P	P	P
33	RISHAB	1SG19CV032	P	P	A	P	P
34	ROHITH V	1SG19CV033	P	P	P	P	P
35	ROOPESH YADAV V	1SG19CV034	P	P	P	P	P
36	SHAMANTH K C	1SG19CV035	P	P	P	P	P
37	SYED HASEEB	1SG19CV036	P	P	P	P	P
38	THANUSHREE V	1SG19CV037	A	P	P	P	P
39	UJWAL B PATEL	1SG19CV038	P	P	A	P	P
40	VEENASHRI	1SG19CV039	P	P	P	P	P
41	VISHWAS R	1SG19CV040	P	P	P	P	P
42	YASHAS G	1SG19CV041	P	P	P	P	P
43	YASHAS S	1SG19CV042	P	P	P	P	P
44	YOGESH GOWDA S	1SG19CV042	P	P	P	P	P
45	WAQAS AHMAD SHEIKH	1SG19CV044	P	P	P	P	A
46	PRASHANTH GOWDA N	1SG19CV045	P	P	P	P	P
47	ABHISHEK D	1SG20CV400	P	P	P	P	P
48	ANAND S	1SG20CV401	P	P	P	P	A
49	DILIP KUMAR M U	1SG20CV402	P	P	P	P	P
50	KAUSAR PARVEEN	1SG20CV403	P	P	P	P	P
51	NAVEEN K B	1SG20CV404	P	P	P	P	P
52	SANTHOSHA G B	1SG20CV405	P	P	P	P	P
53	SRINIVAS GOWDA	1SG20CV406	P	A	P	P	P
54	VARUN B M	1SG20CV407	P	P	A	P	P
55	YOGESH MURTHY	1SG20CV408	P	P	P	P	A

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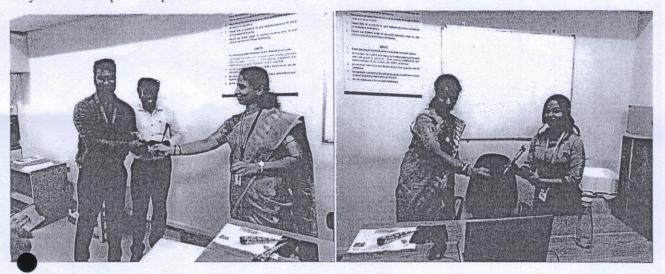
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### DEPARTMENT OF CIVIL ENGINEERING

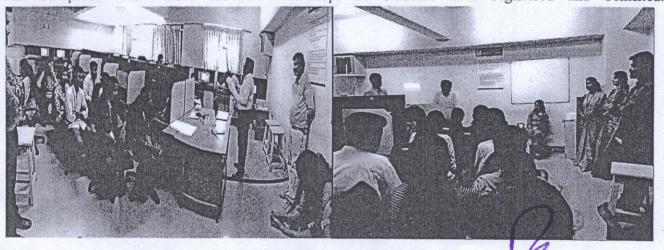
### REPORT ON "Hands-on Training on Revit Architecture"

Department of Civil Engineering, Sapthagiri College of Engineering, Bengaluru has arranged a Workshop on Revit Architecture for students of 6<sup>th</sup> semester from 27/05/2022 to 04/06/2022 in association with 'Autodesk ATC CAD CENTER, Bangalore'. Seminar was co-ordinated by Prof. Pramod K R, Prof. Shobha Y N.

The inaugural function of workshop was by Dr.Rajeshwari R Head of civil Department on starting day of workshop in the presence of faculties and students.



Mr. Viswas K Viswanathan, Operation & Marketing manager Autodesk ATC CAD CENTER, Bangalore and Mr. Sunil Kumar took over the session for inaugural and introductory speech about the software. Ms. Rituparna was trainer for the workshop. 20 students have registered and benifited.



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### About software

Revit is software mainly used for 3D Modeling or BIM (Building Information modeling). It will create a perfect scenario of what is going to happen at the construction site. So basically all the design clashes will be able to rectified using the Revit Model. Moreover, there is option for Structural Design and Analysis of Framing, Columns, Slabs etc. We can use this software for Rebar detailing. And the most important one is cost reduction in Estimation of the project as we can purge all the unwanted and unused materials.

### Day wise summary of the workshop

Day	Time	Topic covered				
		User Interface The Ribbon Framework				
	1.30pm	About Building Elements				
Day 1 Friday	to 4.30pm	About Families				
		About Projects				
Day 2 Saturday	1.30pm	About Project Templates.				
	to 4.30pm	About the Default Project Template				
		About Revit File Types Aids				
Day 3 Monday	1.30pm	About Wall Properties Modifying Walls				
	to 4.30pm	About Joins Editing and Preventing Wall Joins				
Day 4	1.30pm	About Compound Walls				
Tuesday	4.30pm	About Modifying				
		About Vertically Compound Walls				
Day 5 Wednesday	1.30pm	Edit Tools				
	4.30pm	Clipboard Tools				
Day 6 Thursday	1.30pm to 4.30pm	Creating a New Door Type About Windows Process of Adding and Modifying Window Floors Modifying Floors				
Day 7 Friday	1.30pm to 4.30pm	About Temporary Dimensions About Permanent Dimensions About Constraints Applying and Removing Constraints				
Day 8 Saturday	10.30am to 4.30pm	Practice				

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Sapthagiri College of Engineering (2)
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Bengaluru - 560 057

### **Outcomes of Workshop**

- To be familiar with advanced Civil Engineering Software like Revit architecture and use
  in our field: After the completion of the workshop students are now familiar with the
  use of this software to draft the plan, elevation-sections, to update floor plans, floor levels
  and to develop the 3D views.
- To Produce consistent, coordinated and complete model-based building designs and Documentation: After competition of the workshop students are able to produce complete model based building design with the help of Revit Architecture software.
- 3. Use 3D visualisations to see a building before it's built.
- All the students were motivated by the training program and encouraged to participate in co-curricular activities conducted by the Department of Civil Engineering.

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HOD, Dept of CV	of	Certific	SAPTHAGIRI COLLEGE OF ENGINEE  (Affiliated to VTU, Belagavi and approved by AICTE, New Delhi)  (An ISO 9001:2015 & ISO 14001:2015 Certified Institution)  Accredited by NAAC with "A" Grade  #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057
Principal Sapthagirl College of Engine One 14/5, Chikkasandra, Hesaraghatta Main Died Bengaluru - 580 057	of has participated of has participated and successfully completed Eight days Certification Course on "Hands on Training-REVIT Architecture" from 27 May, 2022 to 04 June, 2022 organized by the Department of Civil Engineering, Sapthagiri College of Engineering.	ificate	GE OF ENGINEERING  pproved by AICTE, New Delhi) 1:2015 Certified Institution) (th "A" Grade ta Main Road, Bengaluru-560057



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This is to Certify that Mr./Ms. YASHAS of 6th SEM has participated and

Certification VII. Beliavi and approved by ACIE. New Debility

(An ISO 900):2018 Size 14001/15 Certified Institution)

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#145, Chikkasandra, Hesanghuta Main Road Bengalura-50057

This is to Certify that Mr./Ms. MOXSHA LAKSHMI B. R. of 670 SEM has participated and successfully completed Eight days Certification Course on June, 2022 organized by the Department of Civil Engineering. Sapthagiri College of Engineering.

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## SAPTHAGIRI COLLEGE OF ENGINEERING

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057 Affiliated to VTU, Belagavi and approved by AICTE, New Delhi) (An ISO 9001:2015 & ISO 14001:2015 Certified Institution) Accredited by NAAC with "A" Grade



### Certificate

This is to Certify that Mr./Ms. XEERTHANA B of 6<sup>TH</sup> SEM has participated Sapthagiri "Hands on Training-REVIT Architecture" from 27 May, 2022 to 04 Eight days Certification June, 2022 organized by the Department of Civil Engineering, and successfully completed College of Engineering.

HOD, Dept of CV

Princip Rapthagirl College of EngineerIn-Bengaluru - 560 047 Principal



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### Certificate

Sapthagiri College of This is to Certify that Mr./Ms. VEENASHRI of 6<sup>TH</sup> SEM has participated and on Training-REVIT Architecture" from 27 May, 2022 to 04 June, 2022 successfully completed Eight days Certification Course on organized by the Department of Civil Engineering, Engineering.

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HOD, Dept of CV

Sapthagir College of Engineering Principal Bengaluru - 560 057





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#1445, Childramufun, Hearnghath Main Road, Bengalunn-560057

This is to Certify that Mr./Ms. ANAL SCHMAGE B V of 624 SEM has participated and successfully completed Fight days Certification Course on "Hands on Trainting-REVIT Architecture" from 27 May, 2022 to 04 June, 2022 organized by the Department of Civil Engineering, Sapthagiri College of Engineering.

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Accredited by NAAC with "A" Grade

#1445, Childsamdra, Hearnghafta Main Road Bengaluru-Scotos

Accessfully that Mr./Ms. AMRUTHA Dof 674 SEM has participated and
successfully completed Eight days Certification Course on "Hands on TrathingREVIT Architecture" from 27 May, 2022 to 04 fune, 2022 organized by the
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This is to Certify that Mr./Ms. <u>VOGESH GOWDAS</u> of 60°5 SEM has participated and successfully completed Eight days Certification Course on "Hands on Training-REVIT Architecture" from 27 May, 2022 to 04 from 27 May , 2022 to 04 from 27 May in 2022 organized by the Department of Civil Engineering, Sapthagiri and Show, Dept of CV

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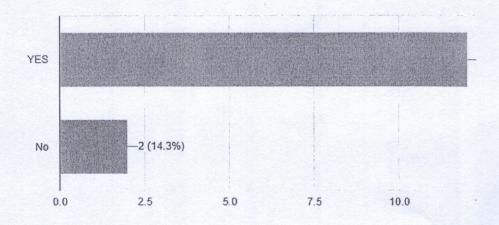
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### DEPARTMENT OF CIVIL ENGINEERING

### FEEDBACK ANALYSIS -Hands on Training on Revit Architecture

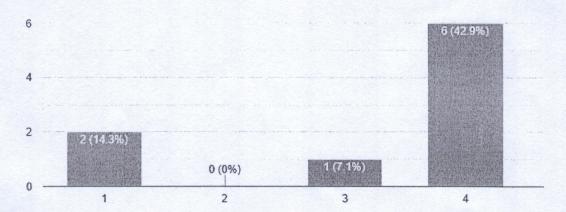
1) Do you feel that your knowledge or skills have improved by taking the course? (Yes/No).

14 responses



2) How would you rate your trainer's expertise?

14 responses





3) Name the things you enjoyed the most in this course.

12 responses

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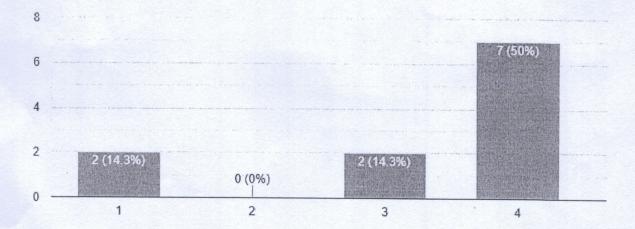
Rendering ,walk through

Best teaching

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Rendering

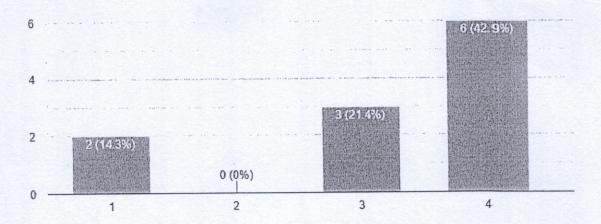
4) How would you rate quality of the content consistency throughout the course? 14 responses



Principal
Sapthagirl College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 580 057

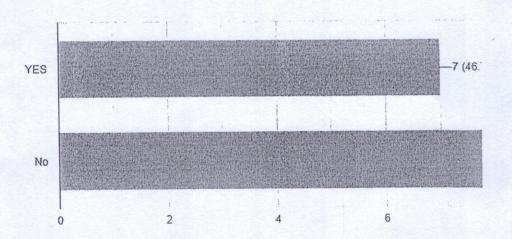
5) 6) How would you rate your overall learning experience?

14 responses



5) Did you have enough time to complete the training.

15 responses



Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 580 057



(Affiliated to Visvesvaraya Technological University, Belagavi& Approved by AICTE, New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057

### DEPARTMENT OF CIVIL ENGINEERING

Action Report:

70 % of students were completely happy with the certification program and 20 % of students felt it was a good program and remaining 10 % students were satisfied with the program.

Action Taken:

The Feedback report which was collected from the students were sent to the principal and he would take necessary actions based on the comments and conduct more programs for the benefit of students.

**Program Coordinator** 

HOD

HOD, Dept. of Civil Enges S.C.E, Bangalore-560 057

Sapthagiri College of Engineering 14/5, Chikkasandra, Hesaraghatta Main Roed Bengaluru - 560 057