



TO : DR. ROGELIO B. ANIEZ JR.
DEAN, COLLEGE OF ENGINEERING

SUBJECT: NARRATIVE REPORT OF COLLEGE OF ENGINEERING FACULTY AND STUDENT
DEVELOPMENT FROM OCTOBER 2022 TO APRIL 2023

TRAINING & WORKSHOP NO. 1

Title of Training and Workshop : ETABS Training and Workshop Session 1
Name of Speaker/Trainer : Engr. Nioro G. Furiscal
Date : February 02, 2023
Time : 1:00pm to 5:00pm
Venue : MS Teams
Number of Participants : 84
(students)

Narrative: This training and workshop aims to provide the basic discussion regarding the modelling procedure and use of the ETABS software in designing a reinforced concrete structure. A conference group was created using MS Teams to hold the training and workshop session with this link: https://teams.microsoft.com/l/meetup-join/19%3aAgod8fWVEnAJoNo4b9Sgy7_H7hmvWFn-KKFtrZjixg1%40thread.tacv2/1676773063702?context=%7b%22Tid%22%3a%221d981f77-3ca3-46ae-b0d4-e8044e6c7f84%22%2c%22Oid%22%3a%22a62812df-8ae8-401d-ab21-7f08389d27b5%22%7d

The master of ceremony is Engr. Nioro G. Furiscal while the technical committee are some officers of PICE NUSC and ESC. The training session started from 1:00pm and ended to 5:00pm that includes the hands-on training of the ETABS software from creation of the structural grid, definition of the material properties, methods of drawing for structural members, application of loads for frames, shells, and joints, pre-processing and post-processing of information. The participants are requested to answer an evaluation form through MS Forms to receive their respective e-certificates powered by Microsoft Power Automate constructed by the coordinator itself. Most of the evaluations given to the speaker/trainer and the workshop itself on the evaluation form were given a rating of 5, with a 5 being the highest (see the attached MS Forms Evaluation Results). This means the participants are highly satisfied to the conducted activity. Some pictures of the training and workshop are attached in this report.

E-Certificate of the Speaker:



2. Quality of the Program and Resource Speaker: Engr. Nioro G. Furiscal

[More Details](#)

1 2 3 4 5

The content in publicity materials matches the actual talk.

The program has relevance to my studies/job.

The program objectives were met.

The program was well paced.

The speaker/s were knowledgeable on the topic.

The speaker/s answered the questions effectively.

The speaker/s project professional image.

The information provided has practical use.

The presentation is well-prepared.

Audio-visual quality is good.

I would be interested in attending a follow-up seminar on the similar topic.



3. Comments and suggestions:

[More Details](#)

[Insights](#)

53
Responses

Latest Responses

"Very informative and clear."

4. Future webinar topics that you would want to see:

[More Details](#)

[Insights](#)

41

Responses

Latest Responses

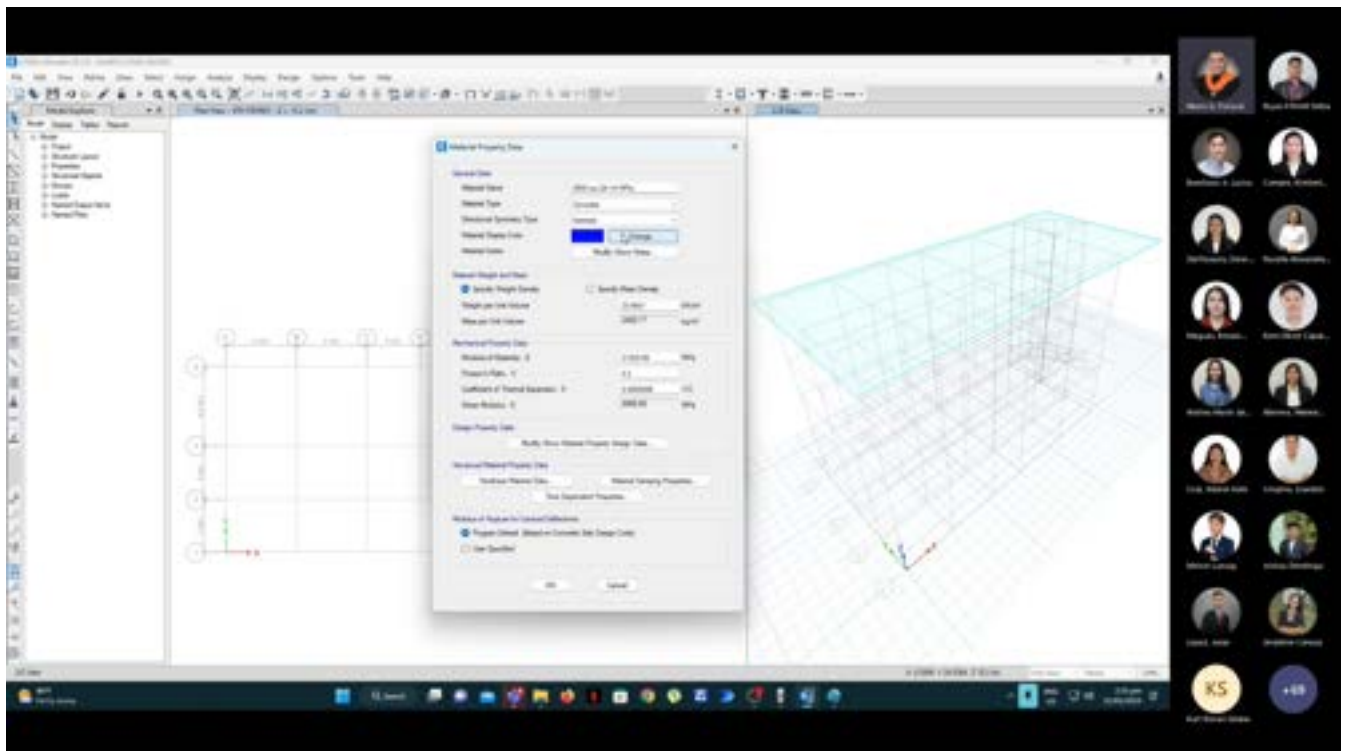
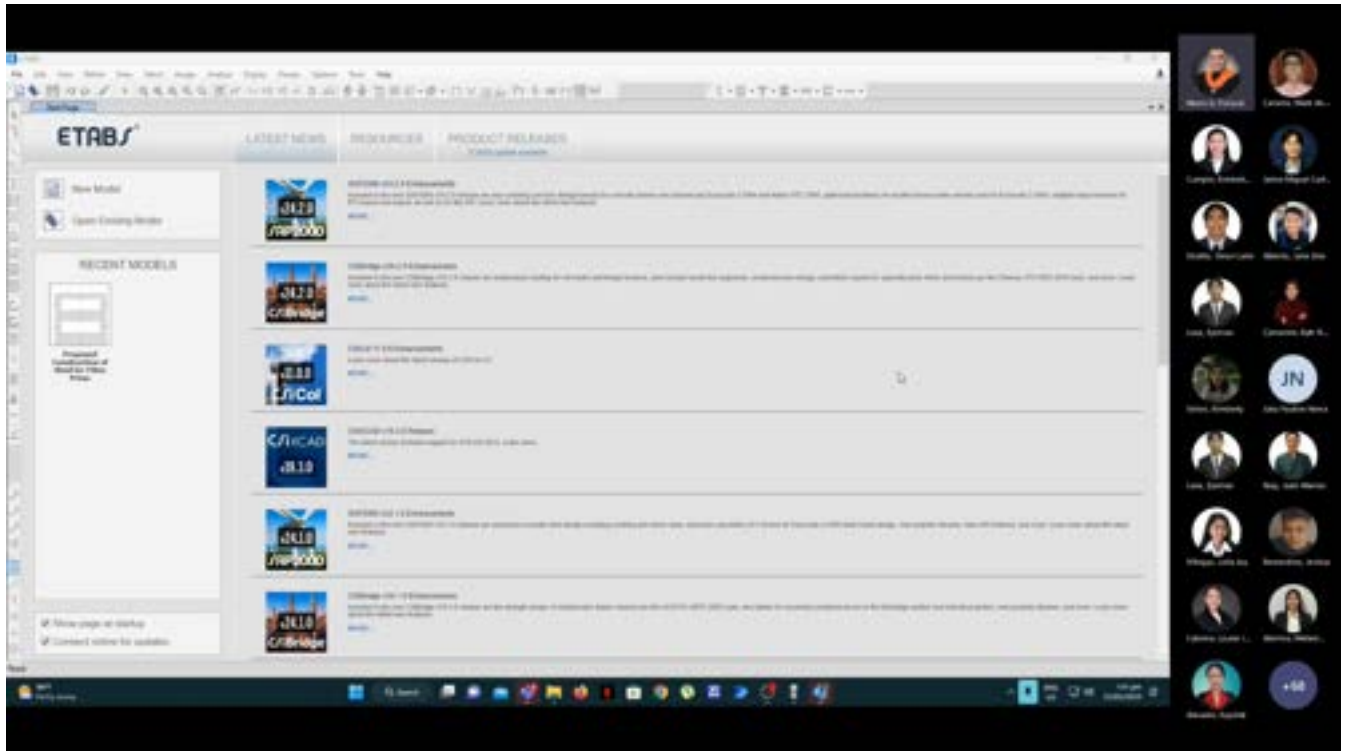
"STAAD Training"

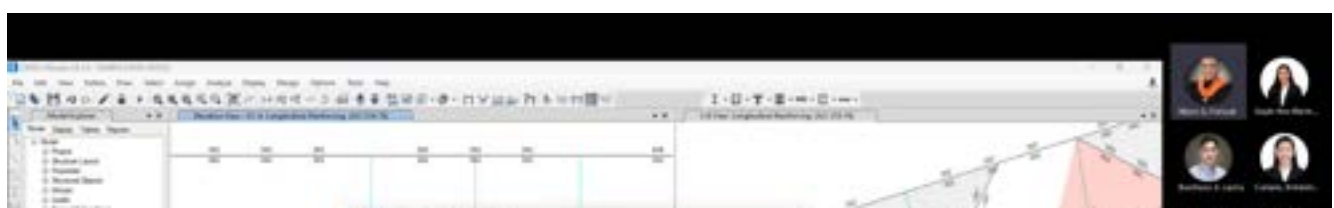
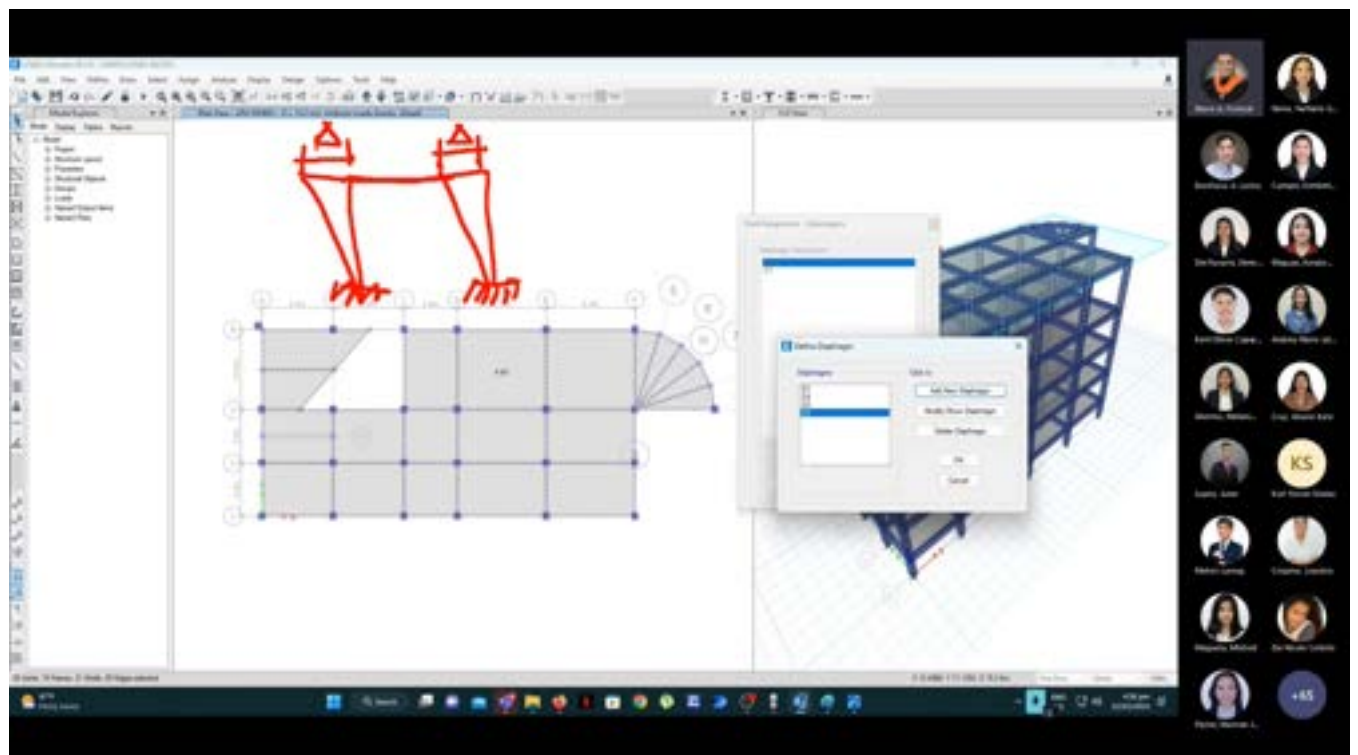
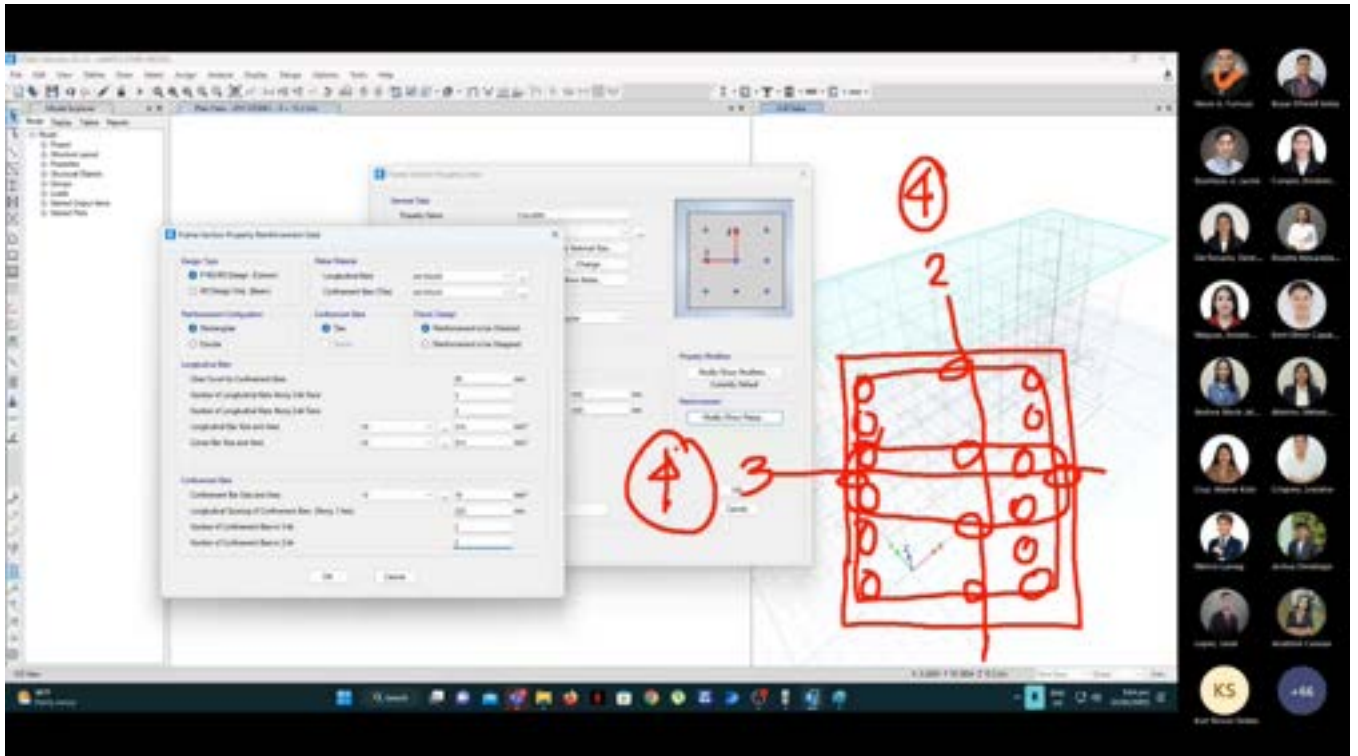
"More about ETABS and its uses."

"None so far."

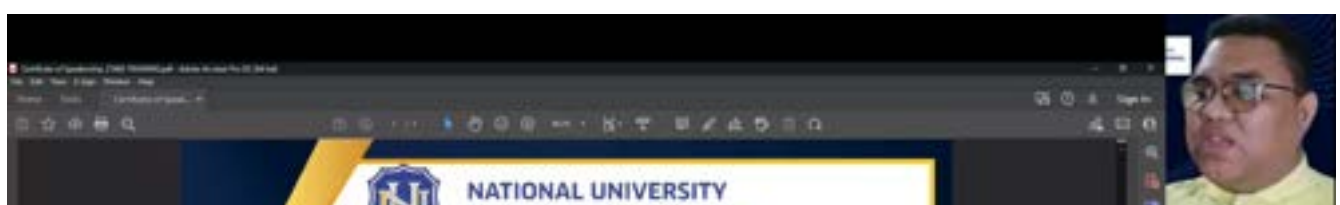
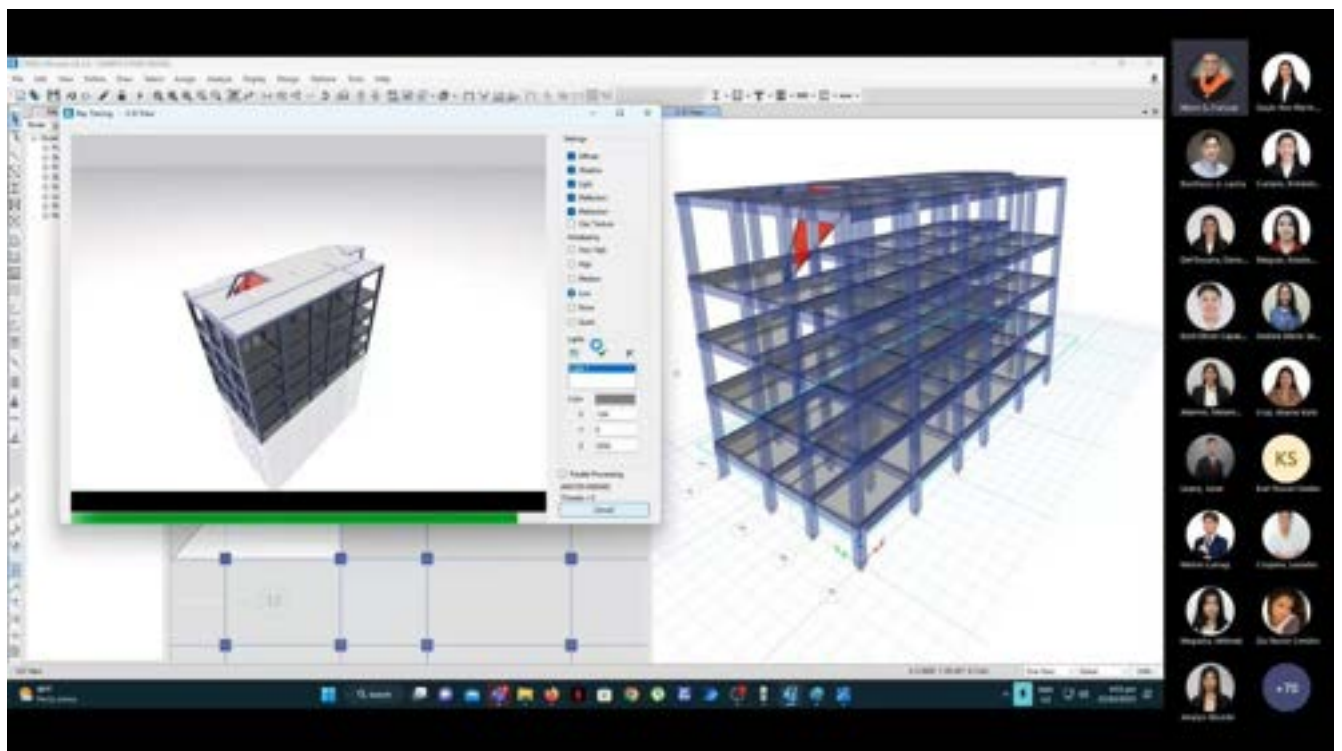


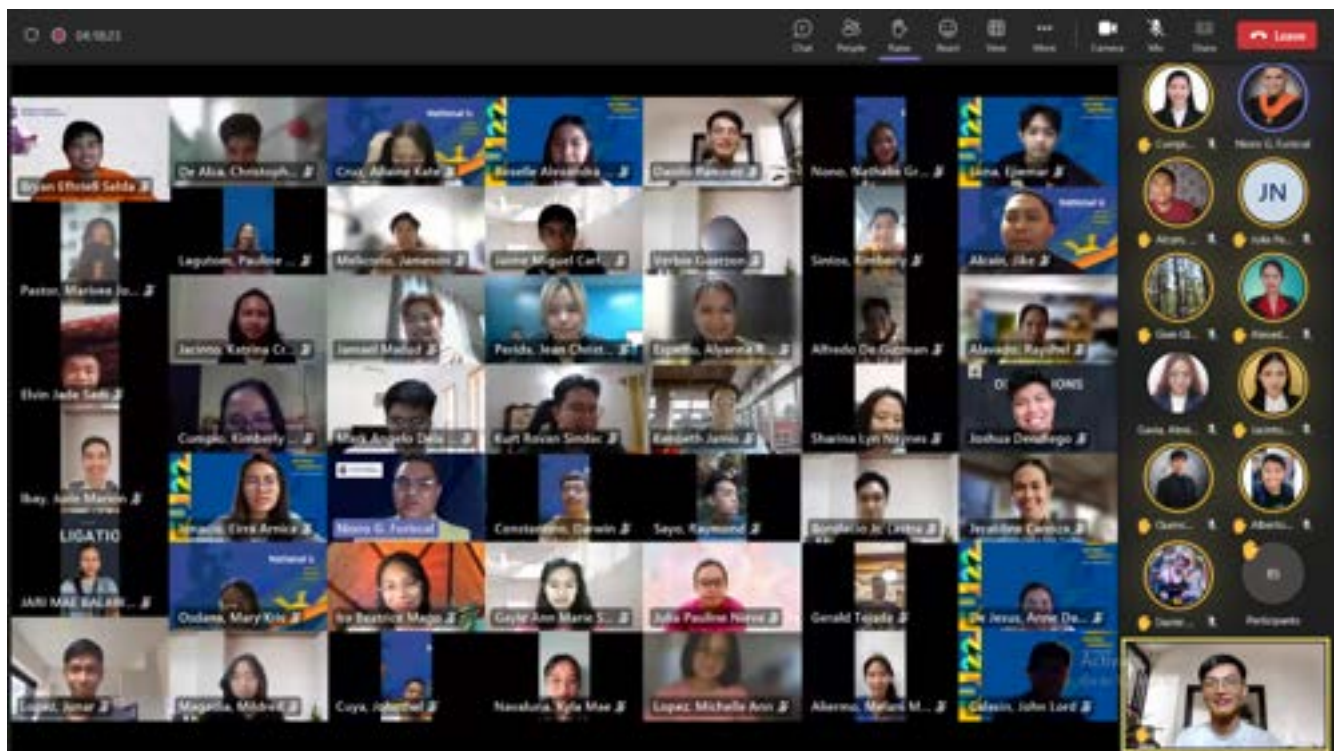
Screenshots of the Training and Workshop Proper:





APRIL 18, 2023





TRAINING & WORKSHOP NO. 2

Title of Training and Workshop : Development of Course Instructional Material using Jupyter (Notebook) Software
Name of Speaker/Trainer : Dr. Michael B. Baylon
Date : March 04, 2023
Time : 1:00pm to 5:00pm
Venue : MS Teams
Number of Participants (faculty members) : 19

Narrative: This training and workshop aims to introduce the use of Jupyter (Notebook) software in doing course instructional material based on engineering approach. The actual date of the training was February 22, 2023 and it was pushed through on March 04, 2023 due to the request of the Speaker for a valid reason. A conference group was created using MS Teams to hold the training and workshop session with this link:

<https://teams.microsoft.com/l/meetup-join/19%3aYxgvOJxVpoOJjHxI3E1oBUpQwJY6FsCaVAbd0LjfitE1%40thread.tacv2/1676811913038?context=%7b%22tid%22%3a%221d981f77-3ca3-46ae-b0d4-e8044e6c7f84%22%2c%22oid%22%3a%22a62812df-8ae8-401d-ab21-7f08389d27b5%22%7d>

The master of ceremony is Engr. Arleen Sacdalan Pablo while the technical committee are some officers of PICE NUSC and ESC. Registration started at 12:00pm until 1:00pm. The training was done from 1:00pm up to 5:00pm. The participants are requested to answer an evaluation form through MS Forms to receive their respective e-certificates powered by Microsoft Power Automate constructed by the coordinator itself. Most of the evaluations given to the speaker/trainer and the workshop itself on the evaluation form were given a rating of 5, with a 5 being the highest (see the attached MS Forms Evaluation Results). This means the participants are highly satisfied to the conducted activity. The invitation, program flow, e-certificate, and some pictures of the training and workshop are attached in this report.

Invitation Letter:

February 03, 2022

DR. MICHAEL B. BAYLON
Associate Professor Lecturer I
Polytechnic University of the Philippines



Dear Dr. Baylon,

In keeping with the vision of the National University (NU), Philippines to be known internationally in education and research, we, at the NU - College of Engineering have decided to undergo a series of training and workshop that will enhance the skills of the faculty members and students in the field of engineering. I, Engr. Nioro G. Furiscal, have been appointed by the Dean as Coordinator of the College of Engineering Faculty and Student Development.

May I formally invite you to be part of this training/workshop as our **mentor/speaker**. It will be an honor to have you, knowing that your expertise in the use of Jupyter in the development of engineering course instructional material, can impart knowledge and interest to our faculty members.

Please be informed that the training/workshop is scheduled on Wednesday, 22 February 2023. In this regard, may I request the items below to be forwarded to us on or before Wednesday, 06 February 2023:

1. Curriculum vitae
2. Short Bio note
3. Formal picture to be used for the pubmat

Thank you very much and I look forward to having you at the event.

Sincerely,

Engr. Nioro G. Furiscal, CE, MSCE-Structural (CAR), MES, LM.PICE, M.ASEP
Coordinator, COE Faculty and Student Development

*Faculty, College of Engineering,
National University,
Manila, Philippines*

Speaker's CV / Short Bionote:

CURRICULUM VITAE



MICHAEL B. BAYLON, RCE, D.Lit., MCHESD, M.FICE, M.IABSE, M.ISHMILM, IFERP, M. SEAD, AM, NRCP
ORCID iD <https://orcid.org/0000-0003-2021-536X>
Scopus Author ID: 57214989297
Web of Science ResearchID O-4733-2018
<https://www.mendeley.com/profiles/michael-baylon/publications/>
https://www.researchgate.net/profile/Michael_Baylon



EDUCATION

Doctor of Philosophy – Data Science (continuing)
Asian Institute of Management (present)

Doctor of Philosophy – Structural Engineering (honoris causa)
Commonwealth Vocational University (2022)

Doctor of Letters (honorary)
Regent Evangelical College (2020)

Master of Christian Humanities in Leadership and Social Development (honorary)
Regent Evangelical College (2019)

Master of Science in Civil Engineering
De La Salle University (2018) (Completed Academic Requirements, CAR)
Thesis: Reliability Analysis of Bridge Pier using Interval Uncertainty Analysis

Master of Science in Civil Engineering
University of the Philippines - Diliman (2007) (Major in Structural Engineering) (CAR)

Bachelor of Science in Civil Engineering (Specialization in Structural Engineering)
De La Salle University (1999)

INDUSTRY EXPERIENCE

Kyong-Ho Engineering & Architects Co., Ltd
Bridge Design Engineer March 2022 – November 2022
Technical Consultant

USHER Technology, Inc.
Senior Technical Sales 2020 – present
Senior Structural Health Engr. Full time

EMBYLON Engineering Design Services
Owner 2020 – present
Principal Engineer Full time

Pubmat:



NATIONAL UNIVERSITY
COLLEGE OF ENGINEERING

proudly presents
a Faculty Training and Workshop

DEVELOPMENT OF ENGINEERING COURSE INSTRUCTIONAL MATERIAL USING JUPYTER (ANACONDA) NOTEBOOK



February
22, 2023



01:00 PM to
05:00 PM



via Microsoft
Teams



DEVELOPMENT OF ENGINEERING
COURSE INSTRUCTIONAL
MATERIAL USING

Program Flow:

DEVELOPMENT OF ENGINEERING COURSE INSTRUCTIONAL MATERIAL USING JUPYTER (ANACONDA) NOTEBOOK

PROGRAM FLOW

Registration	12:00 PM – 1:00 PM
Invocation	1:00 PM – 1:05 PM
National Anthem	1:05 PM – 1:10 PM
Opening Remarks <i>Dr. Rogelio Aniez Jr.</i> <i>Dean, College of Engineering</i>	1:10 PM – 1:25 PM
Introduction to the Resource Speaker <i>Engr. Nioro G. Furiscal</i> <i>Project Head</i>	1:25 PM – 1:30 PM
Talk Proper <i>Dr. Michael B. Baylon</i> <i>Speaker</i>	1:30 PM – 4:30 PM
Question and Answer	4:30 PM – 4:50 PM
Awarding of Certificate	4:50 PM – 4:55 PM
Closing Remarks <i>Engr. Nioro G. Furiscal</i> <i>Project Head</i>	4:55 PM – 5:00 PM

Engr. Arleen Sacdalan Pablo
Master of the Ceremony



February
22, 2023



01:00 PM to
05:00 PM



via Microsoft
Teams

E-Certificate of the Speaker:

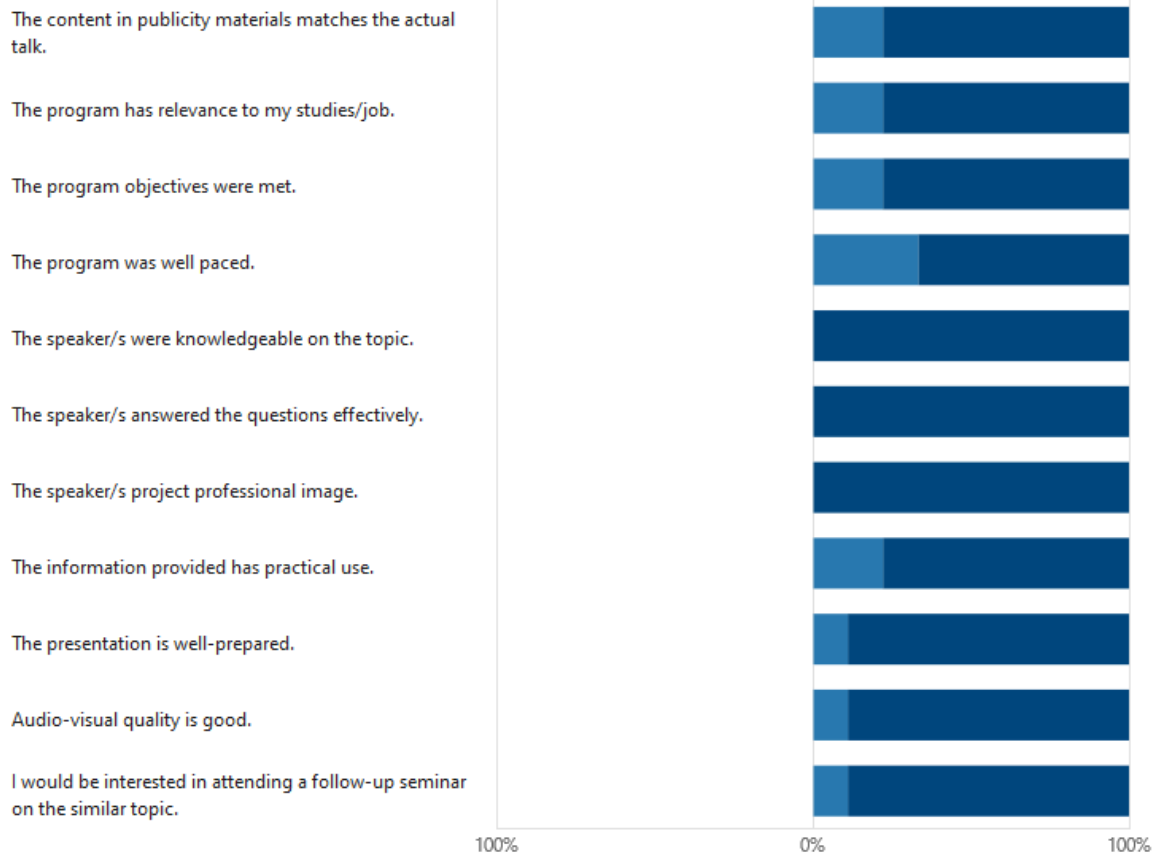


MS Forms Evaluation Results:

2. Quality of the Program and Resource Speaker:
Engr. Michael B. Baylon

[More Details](#)

■ 1 ■ 2 ■ 3 ■ 4 ■ 5



3. Comments and suggestions:

5 Responses

ID ↑	Name	Responses

4. Future webinar topics that you would want to see:

4 Responses

ID ↑	Name	Responses
1	Earl Jan Jugueta	More seminars on tools that can be used in our profession.
2	Rafael Ventura	Machine Learning Embedded Systems
3	J.C Apduhan	Any Engineering Topics
4	Joseph Nalunat	data analytics

Screenshots of the Training and Workshop Proper:

The screenshot shows a Zoom meeting interface. The main window displays a slide titled "Definite Integral". The slide content includes:

- A list of topics: "Area Under the Curve", "Definite Integral", "Riemann Sum", "Approximation", "Error", "Integration", "Differentiation".
- A definition: "The definite integral of a function $f(x)$ over an interval $[a, b]$ is the sum of an area under the curve $f(x)$ from a to b ." (Note: the original image has some typos in this definition).
- Mathematical notation: $A = \int_a^b f(x) dx$
- Text: "Area under the curve $f(x)$ from a to b can be approximated using Riemann sum." and "Riemann sum can be used to find the net area of the equally spaced rectangles under the curve on $[a, b]$." (Note: the original image has some typos in this text).
- Equation:
$$A_n = \sum_{i=1}^n f(x_i) \Delta x$$
- Text: "Therefore, the Riemann sum on the interval $[a, b]$ is the sum of all rectangles."
- Code snippet at the bottom:

```
def riemannSum(f, a, b, n):  
    dx = (b - a) / n  
    sum = 0  
    for i in range(1, n + 1):  
        x = a + (i - 1) * dx  
        sum += f(x) * dx  
    return sum
```

On the right side of the Zoom window, there is a video feed of a man with glasses and a grid of other participants' avatars.

This screenshot shows a Zoom meeting interface, similar to the one above. The main window displays a slide with code for a Riemann sum function:

```
def riemannSum(f, a, b, n):  
    dx = (b - a) / n  
    sum = 0  
    for i in range(1, n + 1):  
        x = a + (i - 1) * dx  
        sum += f(x) * dx  
    return sum
```

The code defines a function `riemannSum` that takes a function `f`, a start value `a`, an end value `b`, and the number of rectangles `n`. It calculates the width of each rectangle `dx`, then iterates from `i=1` to `n`, summing the area of each rectangle `f(x) * dx`.

On the right side of the Zoom window, there is a video feed of a man with glasses and a grid of other participants' avatars.



A presentation slide for a Q&A session. The background features a group of people in a meeting. Two large speech bubbles, one white with a blue 'Q' and one blue with a white 'A', are centered. A dark blue banner at the bottom contains the text 'KINDLY RAISE YOUR HAND AND UNMUTE YOUR MICROPHONE' in white and blue. On the right side, there is a vertical stack of three video thumbnails showing participants.

Q **A**

**KINDLY RAISE YOUR HAND AND
UNMUTE YOUR MICROPHONE**



A presentation slide for a Certificate of Appreciation. The background is dark blue with a gold ribbon graphic at the top. The text 'CERTIFICATE OF APPRECIATION' is centered in white. A small logo is visible above the text. On the right side, there is a video thumbnail showing a participant.

**CERTIFICATE
OF APPRECIATION**

The image is a screenshot of a Zoom meeting. The main window displays a presentation slide with the following content:

- Logo of National University College of Engineering (NUCE) in the top left corner.
- Text: "Closing Remarks" in a white cursive font on a dark blue background.
- Text: "ENGR. NIORO G. FURISCAL" in large white bold letters on a dark blue background.
- Text: "Coordinator, College of Engineering Faculty and Student Development" in smaller white text below the name.

On the right side of the Zoom window, there is a vertical strip of three smaller video thumbnails:

- Top: A man with glasses in a purple shirt.
- Middle: A man with glasses in a blue shirt.
- Bottom: A woman with glasses in a white shirt.

At the bottom right of the Zoom window, there is a small circular icon with a plus sign and a name tag that reads "NIORO G. FURISCAL".



Prepared and submitted by:

Prepared and submitted by:

ENGR. NIORO G. FURISCAL, *MES, MSCE-Structural (CAR)*
COORDINATOR, COLLEGE OF ENGINEERING FACULTY AND STUDENT DEVELOPMENT
PROGRAM COORDINATOR, CIVIL ENGINEERING DEPARTMENT
FACULTY MEMBER, CIVIL ENGINEERING DEPARTMENT
NATIONAL UNIVERSITY - MANILA