NATIONAL UNIVERSITY
COLLEGE OF ENGINEERING

COMPUTER ENGINEERING DEPARTMENT
MINUTES OF THE ADVISORY BOARD MEETING

DATE   **:** July 10, 2023
TIME   **:** 10:00 AM
VENUE   **:** Via MS Teams

ATTENDEES : Dr. Rogelio B. Aniez Jr.

Engr. Marlon G. Bagara

Engr. Joe-An Villanueva

Engr. Nickie Bryan L. Cabiliza

Engr. Nicole Kelly B. Sagabaen

Engr. Jendhel Serrano

Engr. Paul Angelo P. Robelo

Engr. Bernadette R. Cubay

Engr. Lorena R. Angulo

Engr. Maria Rizette H. Sayo
Engr. Alexis John M. Rubio
Ms. Angelica H. Dela Cruz, M.Sc.

Engr. Ciara Estavillo
Engr. Angela Elaine L. Jacinto
Engr. Andrei Cyril F. Gimoros
Engr. Muel Clamor
Engr. Rystianne Puno

Engr. Marwin B. Alejo

Dean, National University Manila, College of Engineering

Program Chair, Computer Engineering, National University-Manila

Industry, SOC Specialist, Total Information Management Corporation.
Field, Computer Networking and Cyber Security

Industry, Software Developer, Idemia Philippines, SET R&D.
Field, Embedded System

Industry, Cloud and Software Engineer, IDEMIA.
Field, AI, and Data Scientist

Industry, Solutions Engineer, Lenovo PCCW Solutions.
Field, Solutions Developer

Industry, Systems Engineer, Trends and Technologies, Inc.
Field, Cybersecurity

Industry, Analyst Programmer/ Global One Integrated Business Services, Inc.
Field, System Analyst

APO, Dean, College of Engineering and Architecture, Urdaneta City University, Asst. Secretary – ICpEP National Board Governor F.Y 2023.
Field, APO/Academe

Academe, CpE Faculty, Adamson University
Academe, CpE Faculty, University of the East- Caloocan
Academe, AI Practitioner, CCIT Coordinator, National University- Manila

Alumni, COO, Team Genuine Academy Corp.
Alumni, CpE Faculty, AMACC – Makati
Alumni, Software Engineer, FIS Global Solutions
Alumni, IT Audit Specialist, Philippine Business Bank
Alumni, Data Migration Lead, Alight Solutions

Faculty, CpE Faculty, National University- Manila, Capstone Design and Research Adviser

Engr. Emmanuel M. Malaay	**Faculty,** CpE Faculty, National University- Manila
Engr. J.C Z. Apduhan	**Faculty,** CpE Faculty, National University- Manila, ComEx Coordinator and Capstone Design Adviser
Engr. Rafael A. Ventura	**Faculty,** CpE Faculty, National University- Manila, Lab Coordinator, ICpEP.SE Adviser, and Capstone Design Adviser
Patricia Anne Poserio	**Student,** Computer Engineering, National University- Manila
Catherine Montalbo	**Student**, Computer Engineering, National University- Manila
Dean Vincent Valeciano	**Student**, Computer Engineering, National University- Manila
Kier Pelingon	**Student**, Computer Engineering, National University- Manila
Ernest Cagubat	**Student**, Computer Engineering, National University- Manila
Patricia Yvonne Basto	**Student**, Computer Engineering, National University- Manila
Adrian Bangalando	**Student**, Computer Engineering, National University- Manila
Chynna Mae Rangas	**Student**, Computer Engineering, National University- Manila

CALL TO ORDER:
The meeting was called to order by the emcee, Engr. Emmanuel Malaay at 10:00 AM. Via MS Teams.

PRESENTATION OF AGENDA OF THE MEETING:
The Program Chair presented the following agenda of the meeting:
1. Review the revised version of the BSCpE 2023 Curriculum
2. Discuss the current curriculum to identify areas for improvement
3. Discuss innovative teaching methodologies and learning resources
4. Other matters

PROCEEDINGS OF THE MEETING:

1. Dean Aniez welcomed all the attendees to the Advisory Board meeting 2023 for the Bachelor of Science in Computer Engineering.

2. Engr. Bagara presented the agenda of the CpE advisory board meeting 2023.

3. The program Chair of CpE, Engr. Bagara introduced all the Advisory Board members for the Bachelor of Science in Computer Engineering for AY 2022-2023.

4. For the improvements of the BSCpE curriculum, Engr. Apduhan presented to the advisory board members the revised 2023 BSCpE curriculum for review. The revised BSCpE curriculum was presented by year-per-term for comments, suggestions, and recommendations from the advisory board members.

5. All the stakeholders of the advisory board recommended some teaching methodologies for professional courses, they suggested appropriate software to be used in laboratory courses to meet the industry standards. They also recommended companies for OJT deployment, they offered seminars/webinars to students to update them what are the trends and practices in the industry. They also suggested the proper sequencing of topics in the AI professional elective course.

6. The other matters, questions, and answers were facilitated by Engr. Rafael A. Ventura.

7. Engr. Malaay, the event emcee, awards the certificate of appreciation to all the advisory board members.

8. The closing remark was delivered by the program chair.

9. The photo ops were taken by the students who participated in the meeting.

SUMMARY OF RECOMMENDATIONS AND IMPORTANT POINTS FROM THE MEETING:

1. The First Year courses in the revised BSCpE curriculum were presented by term to the advisory board members. Their inputs, comments, suggestion, and recommendations were the following:
   - ✓ since there are many jobs available but few employees in the industry, the professors in the orientation course for computer engineering should provide some insight into the field that the freshman students wish to work in.
   - ✓ changing courses that are related to technology and programming for the second term courses.
   - ✓ offering the course, understanding the self is good for the students to prepare themselves in the workplace.
   - ✓ entrepreneur mind course must have a real business application so the students can connect what they have learned and experienced.
   - ✓ programming skills like a hackathon or continuous learning and study of programming are a must for freshmen students
   - ✓ bridging courses are helpful for students, especially those students who didn't come from the STEM strand.
   - ✓ some of the advisory board members including Dean Lorena are okay with the lineup of the second term for the first-year courses offerings.
   - ✓ purposive communication is good so that the students have preparation for the pitching of their project, hackathons, and other related activities.
   - ✓ as discrete mathematics is still used in programming, offering it in the first year is good.

2. The Second Year courses in the revised BSCpE curriculum were presented by term to the advisory board members. Their inputs, comments, suggestion, and recommendations were the following:
   - ✓ the advisory board members unanimously agreed with the lineup of courses for the second year. The courses at this year's level make the students feel comfortable.
   - ✓ electrical circuits for CpE is a course that should include a specific application in CpE to make it helpful for the students in their upcoming Capstone courses.
   - ✓ Dean Lorena has asked if there are simulations that were performed in the laboratory activities of the electrical circuits course for the students in preparation for their capstone projects. If there was none, she suggested considering a simulation activity.
   - ✓ Java and Python programming is good for introducing industry programming languages.
   - ✓ The advisory board members were glad to have data analysis as a course since it has software analysis in it. Engr. Puno, a Data Migration Lead and Engr. Sagabaen, a Data Scientist recommended using MySQL, SAP languages, and maybe can use project management lean six Sigma in data analysis.
   - ✓ Applying the level of difficulty in laboratory activities is a must so that the students can explore more and know the purpose of data analysis.

3. The Third Year courses in the revised BSCpE curriculum were presented by term to the advisory board

members. Their inputs, comments, suggestion, and recommendations were the following:
- ✓ It was suggested by the advisory board members to offer the engineering management course for third-year students to utilize fundamental project management tools that they can apply in their capstone project.
- ✓ Aside from MATLAB software, python programming should be considered using in numerical methods
- ✓ In the operating system course, the low codes or basic commands of other OS like Linux, and Ubuntu should be discussed because companies in the industry require it from their employees.
- ✓ It was suggested that invite authorized personnel to give training to students in basic occupational safety course so that after completing the course they will earn certification.

4. The Fourth Year courses in the revised BSCpE curriculum were presented by term to the advisory board members. Their inputs, comments, suggestion, and recommendations were the following:
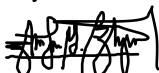- ✓ in the Computer Network and Security course, introduce other tools like Angular, other than packet tracer.
- ✓ The Alumni representative from the meeting recommended companies for OJT deployment, they offered seminars/webinars to students to update them what are the trends and practices in the industry. They also suggested the proper sequencing of topics in the AI elective courses.
- ✓ The alumni has offered webinars for students for them to have a way to know what the students want to pursue, give tips for the interview, and how to prepare for working in the industry.
- ✓ ICpEP offers support for the seminar just tap Sir Roben Juanatas.
- ✓ due to the different circumstances, OJT should be offered where there are no other courses during weekdays that might conflict with reporting for work to OJT.
- ✓ the CDP 3 (Capstone Design Project 3) course should be placed in the 2nd term as suggested, to have enough time for the students to finish the project on time or before graduation.

ADJOURNMENT
Having discussed the above matters, the meeting was adjourned at 12:30 PM. Link for the recorded meeting:

https://shorturl.at/nRZ07

Prepared by:

Engr. Marlon G. Bagara
Program Chair, CpE

Noted by:

Dr. Rogelio B. Aniez Jr.
Dean, College of Engineering