

INSTITUTE OF INDUSTRIAL ELECTRONICS ENGINEERING, PCSIR

Date: 14-12-2018.

MINUTES OF IIEE -3rd INDUSTRIAL ADVISORY BOARD MEETING.

The 3rd IIEE Industrial Advisory Board (IAB) meeting was held on 4th February 2020, at conference Room of IIEE (PCSIR). Engr. Dr. Farah Haroon, Principal IIEE, chaired the meeting. The list of the IAB Meeting Attendees is as.

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| 1. Engr. Dr. Farah Haroon | Principal, IIEE, Chairperson CRC |
| 2. Engr. Ammar Hassan Naqvi | Electrical Manager, K-Electric |
| 3. Engr. Rizwan Malik | Instrument and Electrical Manager
Engro Polymer & Chemicals |
| 4. Engr. Umer Farooq | Director CEO, Mutech Pvt. Ltd |
| 5. Engr. Anjum Darakshan | Incharge QEC |
| 6. Engr. Agha Shakir | Chairman OBE Cell and Incharge FYP |
| 7. Engr. Asif Memon | Secretary IIEE OBE Cell |

Additionally members of OBE Cell and faculty also attended the meeting as observers.

AGENDA ITEMS:

- I. To get approval of Terms of Reference (TOR)s of IAB.
- II. To collect feedback on Industrial Project assigned to (01) Project group of Batch 2016-17 by Engro Polymers and Chemicals.
- III. To explore possible ways of collaboration between IIEE and Industry and collect valuable recommendations on new trends and requirements for IIEE graduates.

DISCUSSION:

1. Engr. Dr. Farah Haroon, Principal IIEE, welcomed the IAB members and requested to start the meeting with few verses of Holy Quran.
2. Thereafter, Principal IIEE informed that the previous recommendations of IAB members related to topics of Functional Safety and Industry 4.0 after approval of Syndicate of NED, UET are incorporated in IIEE revised curriculum applicable from Batch 2019.

3. Principal IIEE, later briefly introduced the agenda items of 3rd IIEE IAB meeting and informed the members that Engr. Agha Shakir has recently taken up the responsibility of Chairman IIEE OBE Cell.
4. Engr. Ammar Hassan Naqvi also updated that he has recently joined K-Electric and quit Fatima Fertilizer company.
5. Engr. Agha Shakir later presented the proposed TORs of IAB which does not only define the constitution of the Board but also its role and responsibilities. The role of IAB was emphasized that how academia and Industrial collaboration can be utilized to identify potential employers for IIEE graduates and prepare them to face challenges of emerging needs of Industrial sector. Addition of IIEE Alumni representatives was also proposed.
6. Engr. Asif Memon, secretary IAB informed the members that the previous Industrial Project assigned to a group of Batch 2015-16 titled as “Enhancement of PAGLIRANI Palletizer through Automation System Upgrade at Engro Polymers and Chemicals Ltd” has been successfully completed. Now another project related to “Burner Management System” has been assigned to a group of Batch 2016-17. Students are currently in learning and awareness phase of the Industrial problem.
7. Engr. Umer Farooq highlighted that there is serious lagging of algorithm based programming in Programmable Logic Controls (PLC)s. Student are limited to Ladder Diagrams (LAD) based programming which is only suitable for sequential nature of Industrial Process Control. In contrast, skills for logic and algorithm development in C language at PLCs should be developed in students. It would surely provide an open hand to solve wide range of decision based industrial tasks.
8. Scope how the faculty and students may be involved at K-Electric and Mutech Pvt. Ltd was discussed by IIEE, Incharge Final year project.
9. Finally Engr. Anjum Darakshan, Incharge QEC Cell requested Industrial Professionals to arrange Seminars, Mock Interviews and Motivational lectures for IIEE students.

RESOLUTIONS:

1. The members of the IAB committee unanimously approved the proposed TORs of IAB with the revised constitution of the board including IIEE Alumni representatives.
2. Efforts would be made to motivate the IIEE students to adopt algorithm C based programming skills in addition to LAD programming in PLCs.
3. Opportunities of collaboration would be explored between faculty and industry to equip IIEE students for future and innovative trends.

Engr. Asif Memon
Secretary OBE Cell
IIEE, PCSIR, Karachi.