



Minutes of Meeting Under NAVTTC Regarding Qualification Validation Committee for the Validation of Curriculum for "Artificial Intelligence Technology" for DAE SINO-PAK Dual Diploma Program

Agenda Items: -

Ser.#	Item(s)
1.	Validation and approval of Subject Curriculum furnished by NUTECH as finalized through joint deliberative meetings of Computer Science, Data Science and Artificial Intelligence Technology, related experts of NUTECH with peer expert faculty members from Brother Chinese Suzhou Vocational University: - a) Details of Participants from NAVTTC, TEVTA-Punjab, KPTEVTA, PBTE, KPBTE, NUTECH and relevant Industry are listed below. b) Understanding & Brief Presentation of the CCTE Model joint education dual diploma split education program as well as the detailed overview of collaboration / curriculum development by the meeting convener. c) Formal presentation of subject-wise course contents of 3-Years curriculum. d) Discussion and Q&A session, along with minor refinements e) Consent and grant of approval by worthy validation / Qualification Review committee members.

Date & Time: 16 - 17 January 2025 (0930 AM to 0330 PM)

Venue: National University of Technology, Kernal Sher Khan (Shaheed) Road i-12 Islamabad.

Participants: -

1. Mr. Muhammad Aasim, Deputy Director NAVTTC.
2. Mr. Muhammad Ishaq, Deputy Director NAVTTC
3. Engr Jamal Akbar, Academic Officer KPBTE
4. Mr. Tariq Mahboob, Incharge Operational wing(IT) PBTE,Lhr



5. Lt Col Arif Yasin, Assistant Director NSDD
6. Mr. Muhammad Aleem (DACUM Expert), AD NBTPE
7. Dr. Muhammad Iqbal (Asst Prof) ex CS Dep NUTECH
8. Maj. Rooshan Saleem (Lec) ex CS Dep NUTECH
9. Mr. Muhammad Asher Ahsan, Snr Lab Engr Skills NIVATS.
10. Mr. Naveed Khan, Snr Lab Engr Skills NSDD.

The Meeting started with the recitation of the Holy Quran and welcoming remarks by the Director NBTPE (NUTECH), being the host. All the participants introduced themselves to each other. The representatives from NAVTTC thanked the participants from Industry and Academia for their extended support and for visiting the venue for a just and noble TVET educational- related cause.

The Meeting Convener briefed the house regarding the main features of the CCTE Model Dual Diploma Split Education Programme, phases of collaboration with Chinese counterpart institutes as well as the detailed procedure of curriculum development. The benefits of this programme for Pakistan students in the context of international exposure, employment opportunities within Pakistan and abroad, practical training on Hi-tech technology equipment at Chinese brother college and the importance of the Chinese language (which is a part of the curriculum) were also highlighted.

Subsequent to the above, detailed scrutiny and deliberations were initiated by the worthy Convener / facilitator of validation. Main subjects / Skill standards from 1st to 3rd year were discussed w.r.t contents & sub-contents' wise by the field –related validation expert of Industry & Academia.

Following **technical recommendations and suggestions** were made by the committee, which have been incorporated in the relevant sections while all other subject's / skill standards have been found correct as per academic and industry requirements and were **approved by the committee**, along with a compliant **Lab Equipment** and machinery list (for 1st and 2nd Years study) and **Teachers / Instructor**

Qualification: -

Agenda:

1. Review compulsory subjects
2. Introduce / proposed effective and relevance courses



3. Eliminate irrelevant, redundant and unnecessary content or program
4. Evaluation of the Benefits and Employability Scope of the Curriculum.
5. Integration of Recommendations/observations & suggestion

Minutes of Meeting:

1. Review compulsory subjects:

The team identified during review of compulsory subjects that Tarjuma tul Quran was missing from curriculum. So, it is incorporated in 1st year and 2nd year scheme of study as per concern board directives.

2. Introduce / Inclusion of effective and relevance courses:

After reviewing the whole curriculum, the committee identified some gaps and proposed new courses to be included in the 1st year Scheme of Study.

- a) **Occupational Health, Safety and Environment**
- b) **Fundamental and Ethics of Artificial Intelligence**

The aim of adding new courses is to address the critical areas in AI education, such as ensuring safety and compliance in AI-related workplaces and fostering a strong ethical framework for responsible AI development. The committee reviewed the rationale for each course, highlighting their significance in preparing graduates to meet industry standards, navigate ethical challenges, and build technical competences. Following deliberations, the proposed courses were considered integral to the curriculum's objectives and aligned with the program's vision to produce well-rounded AI professionals.

3. Elimination of Irrelevant / Redundant and unnecessary content or subject:

Concerns were raised regarding the less relevance of “**Basics of Android App development**” and “**Technical Report Writing**” with Artificial Intelligence technology. It was suggested to eliminate the course “**Technical Report Writing**” (contents already covered in “Business Communication and Project Training”) and evaluate the feasibility of adding the new course of “**Basics of Machine Learning**” in place of “**Basics of Android App development**” to make scheme of study more effective and appropriate. Accordingly, the new course has been introduced by eliminating “Basics of Android App Development”.

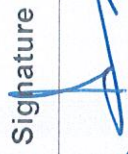
4. Evaluation regarding Benefits and Employability Scope of the

Curriculum:

The committee discussed the comprehensive skill set provided, including AI fundamentals, programming, data analysis, and system administration. It emphasized the integration of theoretical knowledge with practical applications. Review the expected outcomes and discussed the demand for professionals skilled in AI tools, Python, and machine learning algorithms. Highlighted the curriculum's focus on hands-on projects like facial recognition and sentiment analysis. Recognized the interdisciplinary relevance, fostering innovation in IoT, smart systems, and automation. Discussed how exposure to AI tools, global trends, and multilingual skills (English and Chinese) provide a competitive advantage. Identified its contribution to building ethical and responsible AI professionals. Participants unanimously recommended this curriculum, acknowledging its relevance and potential impact.

5. Integration of Recommendations / Observations & suggestion:

All clarifications, suggestions, amendments / corrections regarding academic codal / Cr.Hr formalities and other related issues have been addressed and incorporated and shared with respective TEVTA and PBTE through active communication before and during "Validation workshop for Curriculum approval"

S#	Name	Designation and Organization	Signature
1.	Mr. Muhammad Aasim	Deputy Director SS&C NAVTTC	
2.	Mr. Muhammad Ishaq	Deputy Director NAVTTC	
3.	Mr. Tariq Mahboob	Punjab Board of Technical Education	
4.	Engr. Jamal Akbar	Academic Officer, KPBTE	
5.	Lt Col Arif Yasin	Assistant Director NSDD	
6.	Dr. Muhammad Iqbal	(AP) Computer Science NUTECH.	
7.	Maj. Rooshan Saleem	Lec Computer Engr Dept NUTECH	



8.	Mr. Muhammad Asher Ahsan	Snr Lab Engr Skills NIVATS	
9.	Mr. Naveed Khan	Snr Lab Engr Skills NSDD	
10.	Mr. Muhammad Aleem	(DACUM Expert), AD NBTPE	 17/1/25