CLAIMS

1. A system for personalized learning of a user comprising:

A program configured to be operable on a communication device and configured to:

present at least one learning course on an electronic display of the communication device for a user to select;

provide recommendations on at least one pre-requisite course for selection by the user;

receive an input from the user whether to select the at least one learning course or the at least one pre-requisite course via an input device;

provide an assessment upon completion of the at least one learning course or the at least one pre-requisite course to assess and identify gaps in the user's understanding of at least one concept, learning outcome and performance demand of the said course(s); and

output assessment results for storage in a database for use by the user and/or a teacher.

2. The system according to claim 1, wherein recommendations on at least one pre-requisite course are provided by the program based on previous selections by other users.

3. The training system according to claim 1, wherein the program is further configured to provide rankings of two or more pre-requisite courses to aid the user in selecting the at least one pre-requisite course.

4. The system according to claim 1, wherein the program further utilizes an artificial intelligence chatbot and a machine learning module to assist the user in selecting the at least one pre-requisite course.

5. The system according to claim 1, wherein the assessment comprises an assessment of the user’s understanding of a concept set at an intermediate or medium level linked to a first performance demand in accordance with a first pre-set pass grade.

6. The system according to claim 5, wherein the program is configured to assess the user's understanding of the concept at a lower level linked to a second performance demand and a second pre-set pass grade if the user does not meet the first pre-set pass grade at the intermediate or medium level.

7. The system according to claim 6, wherein the program is further configured to assist the user to revise the user's understanding of the concept if the user does not meet the second pre-set pass grade for the lower level and second performance demand.

8. The system according to claim 7, wherein the program revises the user's understanding of the concept by recommending learning content tied to the first and second performance demands not met by the user in accordance with the first and second pre-set pass grades .

9. The system according to claim 8, wherein the program is further configured to recommend a second concept for user's learning to aid user's understanding of the first concept.

10. The system according to claim 8 or 9, wherein the program is configured to direct the user for assessment in accordance with claim 6 upon completion of revision of the user's understanding of the concept.

11. The system according to claim 5, wherein the program is configured to assess the user's understanding of the concept at a higher level linked to a third second performance demand and a third pre-set pass grade if the user meets the first pre-set pass grade at the intermediate or medium level.

12. A device for personalized learning of a user comprising:

a memory;

one or more processors coupled with the memory, wherein the memory includes processor executable code that, when executed by the one or more processors, causes the processors to perform operations including:

presenting at least one learning course configured for display on a communication device for a user to select;

providing recommendations on at least one pre-requisite course for selection by the user;

receiving an input from the user whether to select the at least one learning course or the at least one pre-requisite course via an input device;

providing an assessment upon completion of the at least one learning course or the at least one pre-requisite course to assess and identify gaps in the user's understanding of concepts, learning outcome and performance demand of the said course(s); and;

outputting assessment results for storage in a database for use by the user and or a teacher.

13. The device according to claim 12, wherein recommendations on at least one pre-requisite course are provided based on previous selections by other users.

14. The device according to claim 12, wherein rankings of two or more pre-requisite courses are provided to aid the user in selecting the at least one pre-requisite course.

15. The device according to claim 12, wherein an artificial intelligence chatbot and a machine learning module are utilized to assist the user in selecting the at least one pre-requisite course.

16. The device according to claim 12, wherein the assessment comprises an assessment of the user’s understanding of a concept set at an intermediate or medium level linked to a first performance demand in accordance with a first pre-set pass grade.

17. The device according to claim 16, wherein the user’s understanding of the concept is assessed at a lower level linked to a second performance demand and a second pre-set pass grade if the user does not meet the first pre-set pass grade at the intermediate or medium level.

18. The device according to claim 17, wherein the user’s understanding of the concept is revised if the user does not meet the second pre-set pass grade for the lower level and second performance demand.

19. The device according to claim 18, wherein the user is recommended a second concept for user's learning to aid user's understanding of the first concept.

20. The device according to claim 18 or 19, wherein the user is assessed in accordance with claim 17 upon completion of revision of the user's understanding of the concept.

21. The device according to claim 16, wherein the user's understanding of the concept is assessed at a higher level linked to a third second performance demand and a third pre-set pass grade if the user meets the first pre-set pass grade at the intermediate or medium level.

22. A computer-implemented method for personalized learning of a user comprising:

presenting at least one learning course configured for display on a communication device for a user to select;

providing recommendations on at least one pre-requisite course for selection by the user;

receiving an input from the user whether to select the at least one learning course or the at least one pre-requisite course via an input device;

providing an assessment upon completion of the at least one learning course or the at least one pre-requisite course to assess and identify gaps in the user's understanding of concepts, learning outcome and performance demand of the said course(s); and;

outputting assessment results for storage in a database for use by the user and or a teacher.