The Continuous Education in Biomedical Sciences at IPPT

CEBIOMEDS@IPPT): AN INNOVATIVE TEACHING AND LEARNING PLATFORM TO PROMOTE A LIFELONG EDUCATION

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ABSTRACT

CEBioMeds@IPPT is a well-structured module for Professional Development Courses in Biomedical Sciences. This module includes various transdisciplinary courses that are organized into several package modules. It is specifically designed to meet the needs of life-long learners globally, allowing them to enroll at any time and from anywhere. To create an innovative teaching and learning platform that promotes lifelong education and increases accessibility to knowledge, to enhance individual competency and skills. The program aims to achieve a graduate employability (GE) level of more than 90%, ensuring that the students are able to secure jobs and upscale their competency to achieve a better position in biomedical-related fields. Additionally, the program provides an opportunity for students to explore new interests or develop new skill sets outside their primary areas. This can help them to stay up-to-date with the latest trends and technologies.

OBJECTIVES

To develop an innovative teaching and leraning platform that encourages lifelong learning and increases accessibility to knowledge in order to strengthen individual competency and skills

- To provide easy to use interfaces that allows lifelong learners of all ages and abilities to readily access and utilize learning resources.
- To provide a wide range of relevant and engaging courses, programs, and materials to encourage ongoing development and improvement in knowledge and skills.
- To utilize innovative teaching methods and technologies to facilitate effective learning to equip lifelong learners with the necessary competencies and skills to succeed in their chosen fields.
- To provide easy to use interfaces that allows lifelong learners of all ages and abilities to readily access and utilize learning resources.

ADDED VALUES

1 Increased Collaboration

CEBioMeds@IPPT provides opportunities for lecturers to collaborate with industries, private and government agencies in content development and promoting advanced knowledge and skills.

2 Increased Engagement

CEBioMeds@IPPT helps to keep students (including lifelong learners) engaged and motivated, as they are able to see the relevance of what they are learning to their lives and future goals.

3 Enhanced Teaching Skills

CEBioMeds@IPPT helps the lecturers to keep up-to-date with the latest research, teaching techniques, and technology, which can improve their effectiveness in the classroom.

4 More Personalized Learning

Lecturers or content developers enhance their ability to comprehend the various requirements and preferences of their students, and adjust their teaching accordingly, by engaging in CEBioMeds@IPPT..

USEFULNESS

In the modern era of rapid change, ongoing learning throughout one's life is imperative, and digital platforms have revolutionized the process, making it simpler than ever to acquire new knowledge and enhance one's abilities. The following are some of the advantages and practical applications of CEBioMeds@IPPT:

- **Accessibility & Flexibility:** The CEBioMeds@IPPT platforms offer lifelong learners the flexibility to access learning resources and courses from any location worldwide, and customize their learning experience according to their individual preferences and requirements. This level of convenience and accessibility makes learning feasible for those who are unable to attend in-person classes due to time constraints or financial limitations. Hence, individuals can maintain a balance between their work, family, personal life, and educational goals.
- **Cost-effective:** The CEBioMeds@IPPT platforms offer a more cost-effective alternative to traditional courses and academic enrollment, enabling lifelong learners to pursue learning and skill-building without financial concerns. Moreover, successful completion of the course leads to the attainment of a certificate from a reputable university, providing recognition of the learner's competency.
- **Career Advancement:** CEBioMeds@IPPT assists individuals in enhancing their career prospects by gaining new knowledge and skills. Employers appreciate employees who consistently upgrade their abilities and remain up-to-date with the latest industry developments and technologies.

COMMERCIALIZATION POTENTIAL

The commercialization potential of CEBioMeds@IPPT using digital platforms is now available for enrolment at https://cebiomeds.amdi.usm.my/

Online courses: The courses available on CEBioMeds@IPPT are completely online, allowing lifelong learners to select modules based on their interests and preferences at an affordable cost. Upon registration, the system automatically generates a unique ID and password, providing access to pre-recorded videos that can be viewed at any time and from anywhere for a period of one year. To earn the certificate from IPPT's academic office, lifelong learners must complete an online quiz within a maximum of three attempts, with a minimum passing rate of 50% at the end of the course module.

Corporate training: Numerous corporations are keen on upskilling their employees, and CEBioMeds@IPPT platforms can serve as a practical and cost-efficient solution. The platform's corporate training programs can be customized to cater to each company's specific requirements (e.g., via HRDFCorp), thus commercializing the service.

Advertising platform: Partnering with companies that aim to target learners in specific niches or industries, CEBioMeds@IPPT can offer a platform to generate revenue through advertising. Advertisers can sponsor courses or create targeted ads that are displayed to learners based on their interests and demographics

Certification: For each module, CEBioMeds@IPPT platforms provide a certificate that verifies the knowledge and skills learners have acquired.

Data analytics: Digital platforms can collect data from lifelong learners, including their learning preferences and performance metrics, which can then be utilized to enhance the platform's content and improve the overall user experience.

RECOGNITION

Majlis IPPT has recognized CEBioMeds@IPPT as a requirment for postgraduate students to fulfill during their thesis submission. For Ph.D. candidates, at least two modules must be completed, while for MSc cadidates, one module is mandatory for study completion.

Future Potential - HRDFCorp Compliances

CEBiomeds@IPPT-courses have been acknowledged by the European Global School University (EGS) Turkeye Campus as means for their students to augment their knowledge and skills during postgraduate training.

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