



FINAL YEAR PROJECT REPORT

ONLINE OBE PORTAL

**In fulfillment of the requirement
For degree of
BS (COMPUTER SCIENCES)**

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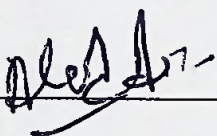
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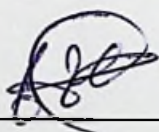
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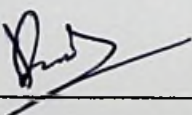
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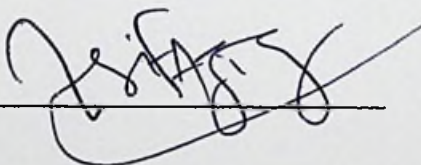
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APPROVAL FOR SUBMISSION

We certify that this project report entitled “**ONLINE OBE PORTAL**” was prepared by **Muhammad Ahmed Asim, Hamza Ali and Dawood Hameed** has met the required standard for submission in partial fulfilment of the requirements for the award of Bachelor of Science in Bachelor of Computer Science at Bahria University, Karachi.

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Specially dedicated to

My beloved grandmother, mother and father

Muhammad Ahmed Asim

My beloved grandmother, mother and father

Hamza Ali

My beloved grandmother, mother and father

Dawood Hameed

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ONLINE OBE PORTAL

ABSTRACT

Outcome-Based Education (OBE) plays a significant role in today's education system, including computer science programs. OBE is a student-centred approach that focuses on defining clear learning outcomes and assessing whether students achieve those outcomes.

Outcome-Based Education (OBE) plays a crucial role in shaping computer science education to meet industry demands effectively. OBE ensures that learning outcomes are meticulously crafted to align with the skills and knowledge required in the computer science field. Graduates emerge better prepared to tackle the ever-evolving demands of the workforce, equipped with a clear understanding of what is expected in terms of programming languages, data structures, algorithms, and software development methodologies. Moreover, OBE encourages continuous assessment of student progress, enabling faculty to gauge programming abilities, problem-solving skills, and theoretical comprehension. This data-driven approach empowers educators to tailor their teaching methods and curriculum dynamically, fostering an environment where learning constantly improves.

Incorporating OBE in computer science education also nurtures a student-centric experience. It allows students to personalize their learning paths, offering elective courses and specialization tracks that cater to their unique interests and career aspirations. Real-time tracking of student progress under OBE ensures timely interventions when necessary, ensuring that learners receive the support they need to excel. The framework's transparency and accountability provide students with a clear understanding of their educational journey's expectations while enabling faculty to showcase the efficacy of their teaching strategies. Moreover, OBE's adaptability to technological advancements ensures that computer science programs remain relevant by integrating the latest tools and methodologies. Ultimately, OBE equips computer science graduates not only with technical prowess but also with problem-solving skills,

a dedication to lifelong learning, and the ability to navigate the fast-paced and everchanging landscape of the industry effectively.

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