ORACLE

EDUCATION AND RESEARCH

October 2013

A New Standard for Excellence

Transforming Education and Research with Oracle Innovation

ORACLE

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Introduction

The value and importance of education and research – to individuals, nations, and our global economy – cannot be overstated. The Global Partnership for Education underscores this imperative, stating "Education is more than reading, writing, and arithmetic. It is one of the most important investments a country can make in its people and its future and is critical to reducing poverty and inequality."[1]

A commitment to education and research excellence is a universal theme played out in nations around the world. Governments, education institutions and research organizations face formidable challenges in achieving this goal. The challenges are diverse and varied, but often include a lack of funding and insufficient access. Educators and administrators are also working tirelessly to support a new paradigm of learning that extends beyond classroom walls and, increasingly, spans a lifetime.

Technology factors heavily at every stage of this quest and can play a critical role in achieving student, operational, and research excellence. The choices can be daunting and complex as organizations seek to invest for the long-term by seeking solutions that are robust and flexible to meet today's requirements while flexibly positioning them to take advantage of tomorrow's opportunities. Value and total cost of ownership are also critical considerations.

Education and research institutions require technology partners that understand their objectives and unique challenges and can deliver innovative solutions that help them to achieve excellence.

[1] http://www.globalpartnership.org/who-we-are/the-value-of-education/

Making the Most of Opportunity

Technology is a critical element of modern learning environments of all types. PCs and tablets are as common in many classrooms as books and whiteboards. Software and connectivity are as essential to an education as a library card. It is widely agreed that an education that does not expose students to technology or help them learn to use technology effectively is incomplete.

Just as students rely on technology, administrators and educators depend on information technology (IT) solutions to provide connectivity and insight that help them run their increasingly complex institutions as efficiently as possible and support overall effectiveness. As important, the need for information security also has grown commensurate with technology's expanded presence on campuses and across research organizations.

The learning environment continues to change rapidly, and educators confront enormous challenges that make their jobs increasingly difficult. At the primary and secondary levels, educators and administrators are working to broaden their focus on student-centered learning so students realize their maximum potential and get the most out of their academic experience. Institutions also face new requirements for effectiveness and accountability, which are driving a new focus on learning assessment; student, teacher, and school performance; as well as knowledge sharing.

While student needs and requirements are growing, institutions continue to experience acute budget pressures, which necessitate new levels of operational efficiency as well as financial creativity. As institutions grapple with these funding issues, they must prioritize their many needs – from salaries to infrastructure costs.

Higher education and research institutions face a shifting landscape, as well, including many of the same funding challenges of their colleagues in the primary and secondary sectors. Institutions are focused on improving their programs and overall attractiveness to students, researchers, and donors/sponsors, while working to drive down costs. Once again, technology factors heavily as institutions work to take advantage of mobile and online channels to serve a new generation of students and research professionals.

Research institutions, similarly, are under pressure to produce meaningful analysis in an increasingly competitive research climate and are struggling to optimize the use of big data in their efforts. They are also seeking new ways to support secure, yet expanded collaboration with colleagues within their institutions as well as around the world, while ensuring data preservation.

Oracle solutions for education and research are helping institutions around the globe to meet their challenges head on to achieve new levels of excellence. Our flexible solutions give educators, administrators, and researchers new power to succeed in their mission of transforming organizations, communities, and lives.

Oracle: Innovating for Education and Research Excellence

Oracle brings a unique perspective to the education and research sector. No other global player delivers the breadth and depth of best-in-class technology and solutions or long-term commitment to teaching, learning, and research that we deliver to the market.

Our software and hardware solutions are built for education and research and informed by best practices from more than 20 industries. With 370,000 customers in 145 countries as well as 29,000 developers and engineers working at Oracle, our customers benefit daily from our global experience. As a result, Oracle is #1 in 50 product and industry solution categories. In addition, our ecosystem includes 14 million developers in Oracle online communities and more than 20,000 partners that continuously extend the value of our solutions.

Education and research organizations have confidence in our solutions. Our applications power:

- 19 of the top 20 universities worldwide
- 10 of the top 10 universities in the United States
- 8 of the top 10 universities in Europe
- 10 of the top 10 universities in Australia
- 10 of the top 10 universities in Asia
- 19 of the top 20 research institutions worldwide
- 38 of the 50 states and departments of education in the U.S., which use Oracle solutions to create a more fulfilling educational environment

We are also a partner in education and active in training the next generation. Oracle contributes billions of dollars to education initiatives, and we reach more than 2.5 million students in 108 countries through Oracle giving programs as well as Oracle Academy, which provides education for secondary students in the fundamentals of database and Java technology.

The Oracle Difference

We understand that the marketplace for IT solutions is diverse and complicated, so we have developed a complete set of best-in-class, end-to-end solutions from hardware to analytics to make education, research, and administration simpler, less expensive, and more effective. Our complete, flexible, and easy-to-own-and-use solutions help organizations to quickly adopt and benefit from new learning, administrative, and research models.

Oracle's solutions for education and research support transformation with unmatched capabilities in the following areas:

- **Breadth and Depth:** Oracle provides the most complete, flexible, and secure solutions for education and research, including hardware, database, middleware, enterprise applications, and analytics – all from a single vendor. In addition, we deliver industry-specific offerings for the market, encompassing solutions for institutional excellence, student experience, student success,

and research excellence, as well as providing a complete data platform and tools that enable personalized learning. And, the market benefits from Oracle's unmatched commitment to research and development (R&D). Each year, we invest more than $4.5 billion annually on R&D – approximately 12% of our revenue.

Oracle's vision of "hardware and software engineered to work together" has been realized in many institutions around the world as ministries of education, colleges, and universities consolidate data centers and realize extreme performance with Oracle engineered systems.

Our global presence is testament to our proven track record in education. More than 10,000 colleges, universities, and research institutions rely on Oracle solutions. In addition, more than 11 million students around the globe are benefitting from Oracle's PeopleSoft Campus Solutions, our comprehensive student information system. Further, Oracle's PeopleSoft Enterprise for Higher Education is the leading enterprise resource planning solution in the market.

- **Flexibility**: Oracle enables teaching, learning, education, and research at scale. Our agile, flexible framework and solutions propel innovation and enable actionable insight. We dynamically connect teaching, learning, and administration environments, and provide support for changing learning models, including online and mobile channels. In the research realm, we also provide the scalability and agility to support advanced research models, including transformational research.
- **Openness**: Oracle solutions are easy to deploy and own because we offer the most complete range of cloud and on-premises deployment options. As important, our open, modular, standards-based solutions are designed to be deployed iteratively and integrate easily, allowing organizations to adopt technology seamlessly at their own pace while preserving their existing investments. Finally, Oracle has pioneered a line of engineered systems – featuring our best-in-class hardware and software optimized to work together to deliver extreme performance – which accelerate deployment, reduce complexity, accelerate return on investment, and lower total cost of ownership.
- **Security:** Security, which is paramount in education and research, has been part of Oracle's DNA since our founding and the creation of our industry-leading database. Security is built into – not bolted onto – every product, and our enterprise-wide scalable solutions can secure and govern many sources of information.

Conclusion

Oracle recognizes that education and research are among humankind's most powerful transformative forces, and that traditional models for education and research are undergoing enormous transformations and change. We are, therefore, committed to supporting education and research organizations with innovative solutions as they work to expand minds and spark new insight that can, ultimately, change organizations, communities, and lives.

Contact Us

For more information about Oracle Research and Education, please see:
http://www.oracle.com/us/industries/education-and-research/overview/index.html

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October 2013

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Oracle is committed to developing practices and products that help protect the environment

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Hardware and Software, Engineered to Work Together