#### **Building World-Class Educational Institutions**

# BUILDING WORLD-CLASS **EDUCATIONAL INSTITUTIONS**

What makes great universities great? And what can India learn from established and upcoming varsities a it sets out to build great universities of its own? Hari Pulakkat finds out

ankings are often a subjective exer-cise, and many education experts consider university rankings as arbitrary. However, no matter what methodology you choose, the top 15 sin the world end up being largely ear after year. They have been on for a long time, with only marginal the rankings every year, relative to Noone would be surprised by their rvard, Yale, Cambridge, Oxford, rsity of Chicago, Princeton, Caltech, fit is logical thus to start our analysis uestion: what makes these universi-ial?

t look at Harvard University, widely by academicians as the best univer-world. A clue to Harvard's greatness d in the way it approaches its faculty nts. Its administrators consider out-culty as a prerequisite for greatness sity. When Harvard decides to hire any doperture.

sity. When Harvard decides to hire a any department, its management his question: who is the best in the is area? They make a small list of the lates and offer the job to whoever tops eor she does not accept the offer, they cond best. And so on, till they get the le candidate for the job. Is flush with funds, and so it can af-very well. If you look at the top 10 or ties, one of the first things that strike r generous endowments. Harvard t with \$32 billion, but other univer-tot badly endowed either. Even the so f Cambridge and Oxford, which universities, have endowments of and \$6.3 billion, re-

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r the last six years. mething to be remembered when to build world-class universities. uilt first by great faculty and star mand high salaries. There are mi-ons to this rule and they are usually ties with a long history and a high like Oxford or Cambridge. But even ge universities operate with high it together from different sources, outside the government. High budg-nem to have a concentration of top-culty and quality students, along class equipment. -class equipment

## a Vs Others

ntration of talent is one of the most facets of a great university, but they other attributes as well. They have a utonomy, even if they are funded by



#### THE DECLINING RANKINGS of Indian Universities

THE TOP 10 WORLD UNIVERSITIES HAVE NOT SHOWN MUCH CHANGE. THE ASIAN ONES HAVE MOSTLY IMPROVED, BUT INDIAN ONES HAVE LOST GROUND

| Top 5 Indian                 | World Rank |            |  |
|------------------------------|------------|------------|--|
| Universities                 | 2013       | 2009       |  |
| IIT Delhi                    | 222        | 181        |  |
| IIT Bombay                   | 233        | 163        |  |
| IIT Kanpur                   | 295        | 237        |  |
| IIT Madras                   | 313        | 284        |  |
| IIT Kharagpur                | 346        | 335        |  |
| Top 10 World<br>Universities | Country    | World Rank |  |
|                              |            | 2013 2009  |  |

the government. They are international, and have an exceptionally good governance system. They are located in good places to live as well. Many Asian nations have realised the link between world-class universities and eco-nomic development and have been working hard to build a few such institutions in their countries. Singapore, South Korea, Taiwan and Hong Kong have been particularly successful in this regard, but countries like Thailand and Vietnam have also managed to raise the standards of their universities recently. Our neighbours, Bangladesh and Sri Lanka, have also made university-building as one of their prorities. priorities

Although the number of quality institutions Autough the number of quality institutions in India has been slowly increasing as the gov-ernment builds new IITs and IISERs, top Indian institutions have been slipping in their inter-national rankings. It may not be because they have been declining in absolute terms, but because other institutions have been raising their standards rapidly — some with the explicit in-tention of grabbing higher ranks (See graphic: The Declining Rankings of Indian Universities). The beck muth water and the source of the source Page 1 of 1

says Jamil Salmi, aformer World Be education. "Money has been diffic Salmi, who had been studying in many countries, has co-authors Bank reports that looked at how world class universities. In his op things are necessary for any wor versity: big budgets, sound govern international outlook. Indian uni-weak on all three accounts. Although money for education a fiscabilishing new institutions. Bu vidual institutions are small by in standards. Government interfar mon even for elite institutions, at stitutions in India are not interna ITS, especially new ones, are try incange here. ItT Gandhinagar is now over fit Although public funded, its direc Jain, hashada near freerum, enjoy tial autonomy in building a new basin began with an explicit goal: the top 201 nthe world within 50 year to the foundations for a world-citon: absolute integrity, outstant atented students and a multicultir. Regardless of discipline, ITT G asing in the process some depar

has been hiring the best possible ating in the process some depar sual for ITS. Cognitive science strongest departments and it is a substantial social sciences and departments. Jain has been hin faculty, too, to the extent possible and budgets; it has 24 professors Indian, who spend various amo within campus. "We are trying culture that stays with HT Ganc a very long time," says Jain, addi key features are utmost academ emphasis on research and scho

emphasis on research and schol merit-based discretion in decisio

## **Funding With** Autonomy

Autonoony An IIT has too many constraints in some of it self-imposed and some of by the government. IIT's can have operations, which has not been u cently. They can raise money and of that can function outside the syste a multicultural campus, some IIT hire abroad and getforeign studen is hard todo this at large scale with money, they are raising money f and philanthropists. IT's are not: Recently, IISc received ? 220 crore co-founder Kris Gopalakrishnar bused to create an institution t faculty and post-doctoral student narrow confines of government r Philanthropy in science is new to great universities around the thrived on it, and often used don create special institutes and chair the best talent. The Koch Institut Research at MIT started with a grant from oil billionaire Day more public institutions in Indiac route, their campuses could be fit decade with special institutes that the set

Till about a sum of the sum of th

Till about a decade ago, Indian higher education separated education from

Till about a lessiterioyssubstan decade ago, with complete autor indian higher what other Asian co education stried to do, and wit separated gree of success. education The best exampl from South Korea, whit research, a trying to raise it cardinal sin standards througi intoday's programmes. Dur academic three years of its environment University progra recruited a few hum faculty, of which nearly half are i Salaries of South Korean professo merit based, and universities there ed an American style of promotion no surprise than that South Kore ties are rising in the rankings, V India learn from this? Should the let Indian institutions free? "The orrules but policy," says IIT Mad Bhaskar Ramamurti. "We have to we want to do."

we want to do.