Between Tradition and Reforms: Universities in Asia and Europe at the Crossroads

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Between Tradition and Reforms: Universities in Asia and Europe at the Crossroads

SOME FACTS

• Asian universities, particularly in Singapore, Thailand, China and India, to name a few countries, are pursuing cutting edge goals in higher education.
• On their respective domestic domain they follow comparable practices of higher education.
• IITs, IIMs, ISB are Indian Higher Education brand equities.
• Our graduates highly sought after for PhD programs in USA, UK, Australia, Germany, Netherlands, and Sweden.
• The numbers currently skewed heavily in favour of USA.
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SOME FACTS

• Huge Funding divide between Research Laboratories and Universities
• Massive expansion for greater inclusivity: 12 new IITs/IISERs, 30 new Federal Universities
• Indian Universities unable to retain students: Brain Drain or Brain Bank
• Foreign Nationals can not be appointed to Faculty positions: Where to find trained Faculty
Between Tradition and Reforms: Universities in Asia and Europe at the Crossroads

NEED FOR REFORMS: Global Perspective

- Medium of instruction one of the problems: EU universities have and are reformulating their programmes to recognise this limitation
- Fees compatibility and affordability
- Work opportunities for students
- Collaborative programs including conventional ongoing relationships require strategic positioning that contextualise thrust area research in areas of mutual interest
- Actively promote increased international flow of students into India (currently ~ 8000 plus) to match the intensity of numbers that some of the universities in US, Canada, Australia can claim
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NEED FOR REFORMS: Indian Perspective

• Indian higher education system has an elite tier comprising the IITs, IISc and a small but growing club of IIMs
• Pure and applied work in a liberal interdisciplinary framework and context is on in select Universities
• A better synergising of relationship that ensures quality flow of faculty, students and research scholars including hosting of joint and multi institution symposia, seminars and workshops.
• While national support for hosting such programmes is possible, joint funding through the EU programs is a definite way that can strengthen internationalisation
• The country and the region is a growing economy and S&T and social sciences and humanities hub that can offer immense research and learning opportunities
• Changes in Legal framework to enable appointment of foreign citizens as Faculty
University of Hyderabad: Green Campus

With 2,300 Acres with 5,00,000 trees and over 120 bird species, this is the largest campus in ASIA.

Four lakes, several valleys and unique rock formations (Mushroom Rocks are a State Heritage).

Early habitation evidenced by a megalith of iron-age, pre-Christian era (protected Archaeological site).

WWF to document the Flora & Fauna: Bio-reserve.
University of Hyderabad: USPs

- Established by an Act of Parliament (Oct 2, 1974) as a Federal University
- A Unitary Institution, residential in character
- Designated by UGC as University with Potential for Excellence (First five)
- Postgraduate programs with strong emphasis on research
- NAAC Accredited with highest grade ever
- Ranked as top 2 University in India by Ministry of Science & Technology, Gov
- Holistic education and integration of knowledge in the Sciences, Humanities and the Social Sciences
- Wi-Fi networking – Highest bandwidth connectivity in India
- Student enrolment - all India in character
- 100% Student funding
- Social inclusion
- International Outreach
- Extensive collaboration with other Institutions
- Student – Teacher ratio 1: 9
- First Indian University to issue RFID based Degree Certificates
- House Institutional Cluster: TIFR, ILS, AMDISA, etc
- University of Hyderabad Knowledge and Innovation Park
The Faculty

- Over 300 highly qualified and internationally renowned faculty
- Cater to the 93 different programmes including Integrated masters programmes being offered in various schools
- Associated in cutting-edge research in disciplines of Sciences, Social Sciences, Humanities, Technology, Visual Arts, Communication, Management and Continuing Education
- To develop newer and emerging areas
- On an average Faculty published 2.91 books, 3.47 Research Publications & 8.19 Other Publications per Faculty
School of Chemistry: Top Citations

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1. DESIRAJU GR
SUPRAMOLECULAR SYNTHONS IN CRYSTAL ENGINEERING - A NEW ORGANIC-SYNTHESIS

2. DESIRAJU GR
THE C-H...O HYDROGEN-BOND IN CRYSTALS - WHAT IS IT

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Times Cited
SORT

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Study in India Programme

Study in India Program is aimed at overseas students

Launched in 1998 in collaboration with the University of Pittsburgh, USA

Modular structure of the program: extremely flexible

During the 2006-07 about 170 students participated in the SIP

Credit Transfer

SIP Partners include

- University of California Education Abroad Program (UCEAP)
- University of Pittsburgh
- University of Illinois at Urbana Champaign
- South Dakota State University (SDSU)
- University of North Carolina at Greensboro
- Council for International Educational Exchange (CIEE, with about 200 member institutions)
- Nordic Centre in India (NCI) a conglomerate of almost 15 Scandinavian universities
- Pace University and University of San Francisco, etc
- Students from France, Germany, Canada, New Zealand and Japan
MoUs With Leading Institutions

Some examples:

UC San Diego, USA; Stanford University, USA; Waseda University, Japan; Keio University, Japan; National University of Singapore; University of Trento, Italy; Belfast University, Ireland; Frei University, Germany; University of Heidelberg, Germany; University of Barcelona, Spain; Utrecht University, Netherlands, etc.

Functional MoUs

• Independent Budget head for MoU servicing
• Two way traffic of Faculty and students
• Credit Transfers
• Joint Degrees
• Joint Research Projects, Publications and IPRs
International Awards & Honours

- Ramon Magsaysay Award
- Max Born Award in Quantum Physics
- Fellow of Institute of Physics, London
- Alexander von Humboldt Research Award
- Fellowship of the Third World Academy of Sciences
- Fellowship of Royal Society, London
- Membership of the US National Academy of Sciences

- Fellowship of German Academy of Sciences Leopoldina
- Fulbright Fellowships
- Commonwealth Fellowships
- Fellowship of Royal Society of Literature, London
- Fellow of Bunsen Society, Germany
- Editorship of reputed international journals
- Honorary Doctorates from reputed universities
- Third World Academy Award, Trieste
<table>
<thead>
<tr>
<th>Personality name</th>
<th>Field</th>
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<tbody>
<tr>
<td>Dr. G. Parthasarathy</td>
<td>Diplomat</td>
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<td>Dr. M.S. Swaminathan</td>
<td>Agriculture Scientist</td>
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<td>Prof. M.B. Emeneau</td>
<td>Scholar of Linguistics</td>
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<td>Dr. Harindranath Chattopadhyaya</td>
<td>Freedom fighter, poet, playwright, painter, singer and actor</td>
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<td>Prof. G.N. Ramachandran</td>
<td>One of the most eminent biophysicists of India</td>
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<td>Justice M. Hidayatullah</td>
<td>Distinguished jurist</td>
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<tr>
<td>Sir Andrew Fieldingullah</td>
<td>Nobel Laureate in physiology and medicine</td>
</tr>
<tr>
<td>Dr. C.N.R. Rao</td>
<td>For his invaluable service to the cause of Science, Science Research and Science Education in India and in the third world</td>
</tr>
<tr>
<td>Dr. C.R. Rao</td>
<td>Renowned Statistician in the world</td>
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<td>Dr. A.P.J. Abdul Kalam</td>
<td>Former President of India &amp; renowned Scientist</td>
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<tr>
<td>Prof. S. Gopal</td>
<td>Well known Historian</td>
</tr>
<tr>
<td>Sri M. Balamurali Krishna</td>
<td>Musician (Vocal)</td>
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<td>Prof. Gopi Chand Narang</td>
<td>Litterateurs</td>
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<td>Prof. Namwar Singh</td>
<td>Litterateurs</td>
</tr>
<tr>
<td>Prof. Nataraja Ramakrishna</td>
<td>Dance guru</td>
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The University is endowed with distinguished Chairs and eminent scholars are invited to occupy these Chairs.

- The Jawaharlal Nehru Chair is endowed for scholars in Sciences.
- Radhakrishnan Chair is endowed for scholars in non-Science disciplines.
- An internationally renowned company named Pratt & Whitney has endowed the University with a Chair for Engineering Sciences.
## Important Conferences held

<table>
<thead>
<tr>
<th>Conference Title</th>
<th>Details</th>
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<td>International Conference on Fiber Optics, Optoelectronics and Photonics</td>
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<td>International Seminar - Defining the future of HIV/AIDS Next 25 years</td>
<td>Conference on Biotechnology</td>
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<td>Conference on Biotechnology</td>
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<tr>
<td>International Conference on Molecular and Cellular Biology and Therapeutics of</td>
<td>HIV &amp; Associated Viral Infections</td>
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<td>National Seminar on Indo-US Nuclear Agreement</td>
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<td>International Workshop on Food and Feed – Nutrition, Safety and improved use of</td>
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<td>International Symposium on Light and Life</td>
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<td>International Seminar on Challenges of Globalization: Indo-Australian Perspectives</td>
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<td>18th International Conference on Ion Beam Analysis</td>
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<tr>
<td>Pacific Rim Applications &amp; Grid Middleware Assembly (PRAGMA-9)</td>
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Important Conferences coming up

- International Conference on “E-Governance”
- Instructional Workshop in Bioinformatics
- International Conference on Bioinformatics
- International Congress of Mathematicians – ICM-2010 (award of Fields Medal)
Distinguished Visitors

- Sir Salman Rushdie, renowned novelist
- Mr. Gunther Grass, Nobel Laureate
- Mr. Anges Wilson, well-known novelist
- Ms. Anita Desai, well-known novelist
- Prof. K.R. Sreenivasan, Director Abdus Salam International Centre for Theoretical Physics, Trieste
- Prof. Nina V. Fedoroff, Penn State University, USA
- Prof. Nicholas Ostlar, UK
- Prof. R. Hoffmann, Nobel Laureate
- Shri Nissim Ezekiel, well-known poet
- Prof J Palis, President TWAS
- Prof Martin Evans, Nobel Laureate
- Prof. Edwin Thumbu, Professor Emeritus, National University Singapore
- Mr. Abul Ahsan, Secretary General, South Asian Association for Regional Co-operation
- Prof. Sir Phillip Cohen, FRS, FRSE, University of Dundee, UK
- Prof. Norman Ramsey, Nobel Laureate
- Dr. Daniel Negers, Centre for Indian & South Asian Studies, Paris
- Sir John Ball, Sedleian Professor of Natural Philosophy, Oxford University, London
- Prof. W. Kohn, Nobel Laureate
Distinguished Visitors

- Prof. Goldman, Director of the University of California Education Abroad Programme
- Prof. Hans Lofgren Deakin University, Australia
- Prof. E.L. Winnaker, President of German Research Foundation
- Prof. G.P. Deshpande, noted Indian Playwright
- Prof. Michael Burawoy, UC Berkeley, USA
- Prof. Velcheru Narayana Rao, University of Wisconsin, USA
- Prof. C.R. Rao, FRS, Penn State University
- Dr. Reinhard Grunwald, Secretary General of the German Research Foundation
- Prof. H.C. Brown, Nobel Laureate
- Sri Rajender Singh, Chairman, Tarun Bharat Sangh, Rajasthan & Ramon Magsaysay Awardee
- Shri Girish Karnad, theatre personality and Gnanpeeth Awardee
- Prof. J.M. Lehn, Nobel Laureate
- Dr Julie L. Gerberdin, CDC, Atlanta, USA
- Louis R. Chenevert, President & CEO, United Technologies Corporation, USA
- Dr. Anil Kakodkar, Chairman, Atomic Energy Commission and Secretary, Department of Atomic Energy
- Margaret Drabble, well-known poet
- Ambassadors of several countries
The University of Hyderabad, already a leading National Centre of Excellence in Higher Education, is poised to emerge amongst the top universities of the world, thereby creating a new benchmark for Indian Universities.
Our Goal

- Create citizens who will be leaders in all walks of life
- Undertake elements of risk
- Capacity building for all constituents of Higher Education
- Innovative and creative Knowledge Society