

# Kris's Brain Wave

More on the build an economy based on innovation? An essential condition for such an economy is a good research base. "We need to get more people to join research," says Infosys co-founder Kristopalakrishnan," and weneed to improve the quality of our research." Gopalakrishnan had just funded a stem cell-centred Gopalakrishnan had just funded a stem cell-centred

Gopalakrishnan had just funded a stem cell-centred multidisciplinary programme on mental diseases and blood disorders, by providing t'6 crove. For the researchers, it is the lcing on the cake, coming after a government grant of 4140 crove for the project. For Gopalakrishnan, it is part of a general plan to improve research in the country, and a specific attempt to drive synergies between brail research and computer sci-

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search on mental diseases and noted disorders.

Gopalakrishan is acting through a set of firm beliefs on the importance of research, on the role of computing, and the relationship between computing and the human brain. The Infosys Science Foundation, in which he is

#### Different Approach

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Gopalarkrishnan's own pillauthropy aims at improving the quality of research. "My way of doing this is to identify groups that are doing high quality work and support them through grants and also set up collaborations," he says. Through pollaborations, he says, the opposition of the properties of t

#### KRIS GOPALAKRISHNAN

My job is to act as a catalyst and bring together different groups of people aligned with what I am focused on

Japan. Through the clinical programmes, he also wants to see if there can be a cure or at leasts way to arrest the progress of neuro-degenerative diseases. IT Madras had acted immediately on the grant, selecting three professors in the US for chairs in computational neuroscience, and bringing them to the campus found in the computation of the computatio

### **Understanding the Brain**

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Mitra works on developing an integrative picture of
brain function, using theoretical, computational and
experimental approaches. He isspecifically involved in
developing amago'the mouse brain, elucidating all the
intricate wirings. Raghumathan, a computer scientist,
and the wirings. Raghumathan, a computer scientist,
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soldifficultifor the computer. Sur's research is on understanding how genes and proteins in fulnence the train
wiring, and how they go wrong in diseases of the brain
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wiring has been supported by the surface of the computer
scientists and neuroscientists, and it is also what drives
copalakrish and tofun cutting edge research. There
are practical benefits too, like helping tackle diseases

and a desire to improve research in India, writes Hari Pulakkat

of the brain or making computers smarter. Using stem cells, for example, would help scientists create models of the human brain difficult or impossible to make otherwise. By studying the models of both the healthy and diseased brains, scientists may be able to figure out what causes disease. On the other hand, by studying the brain, computer scientists can help improve human-like algorithms for image recognition, inference and so on. The brain is an extremely efficient organ. "By studying the brain," says Raghunathan, "we can improve the computational efficiency of human-like tasks." The ITI Madras schairs are now well into their recognitation of the state of

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advocates paying higher pric to exporting producers, as well as improved social and environmental standards.

## **Organic Farming**





