#### 'The Entire IT Workforce Can't be Reskilled—and Shouldn't be' need them as well. Employees can self-select s global companies shift to digital plat-If a team solved a problem with 10 units two Jahour standpoint (is the question). The third which is a whole set of technologies that sit like Netflix and Twitter that were digital busi-

A forms there's a sort of panic among IT services companies on multiple fronts - maintaining margins, growing the business, re-skilling manpower and keeping themselves relevant. Malcolm Frank, chief strategy officer (CSD) at Cognizant, the \$13.49 hillion (2016) US headquartered tech services provider has seen it all over the last three decades. But in the last few years the change has been disruptive. He hasn't had time to play his favourite game of golf, as he's busy dissecting the change and ensuring Cognizant is the go-to company for global customers. In an exclusive interview with Shelley Singh, Frank. who co-authored. 'What to Do When Machines

Do Everything, discusses the changing envirooment and strategy to cope with it. Edited excernts On the changed outsourcing paradigm. what with every company looking more

smartphone makers This issue of a panic perplexes me. I am more optimistic than ever that the opportunity is actually larger. As the world becomes more technical and our clients are digitizing, then there should be more services.

But there are two problems - one is there's a bit of an innovator's dilemma for us and for the industry. The pie is getting bigger, the market opportunity is growing but the unit costs are coming down. That's the challenge. Retaining your margins and creating an environment inside the company where you can cannibalize what you do.

years ago, can it do with seven units now? Product companies have done this forever And now there's a certain Moore's Law coming. to the services business. Same firms understand how to manage that but other firms are

really struggling The second problem is that it was easy 10 years ago when there was a greenfield market and the client said 'my mess for less'. But now if you have to solve digital solutions you have to understand client businesses. When IT becomes the business, we have to lead with

#### business and not with technology. On how much of Cognizant's business comes from newer areas like blockchain, AR, VR.

More than a quarter of the business comes from digital technologies and it's growing faster than the traditional business. We have already stated that till 2019 we will maintain like a technology company, from banks to 22% margin. After that, there's a question of how fast will digital truly become mainstream. There is a huge supply demand imbalance in the labour market, which gives you pricing power against these skillsets. How long are we

able to maintain this pricing power from the

ML. Al. IoT. big data...

A certain percentage of (client server solutions) can move to the cloud, but very critical systems like the flight operations system of Lufthansa or United Airlines - you don't want to touch that

issue is whether we can build software platforms around certain problems. And can that bring scale? There are question marks around

### those things. On what Cognizant will be like 10 years

from now We want to be central to the digital economy. We could play an important role in helping to provide digital at scale in the industries that we focus on. We hope to have a sort of 'Intel Inside' paradiem like 'Cognizant Inside' where

## we are the go-to partners to build and operate On the challenge around skills as IT shifts from being non-core to core now

digital businesses.

current industry.

If we have a reskilling challenge, it is multiplied 5x inside our clients. There are clients saving. "I can't get my hands on these skills. Give us people who are experts in IoT mobility, data scientists or AL" They actually turn to us - "can you be my lean-to partner, can you be the one that brings in those skills?"

## On reskilling employees for digital plat-

We plan to have 100,000 reskilled by end of 2017 Most of the Indian IT services industry for the past 20 years was built on client server, internet stack, the whole WinTel stack - browser PC Unix boxes Oracle databases Cisco routers and mainframes. That is a huge proportion of the reserve and skillset of the Now we are making a scale pivot to digital.

on top of the interface. But legacy will not an away. When an insurance company goes digital they will not throw away what they already

To go digital you need strategy skills, that is beloing the client envision change. Second is design thinking; whether it is creating a virtual customer experience or smart products, you have to reconceptualise the design. When a customer walks into a retail bank or when she accesses the bank on phone, these are two dif-

Legacy will not specific technology go away. When and solutions. For an insurance example toT is excompany goes ploding Worldwide we are instrumention digital they will 150,000 things per not throw away minute (embedding what they things with sensors

ferent experiences

already have - Like an IoT sensor embedded in the carburettor of a car or in security devices). By 2025 we will have 80 billion machines around the world that are instrumented, online and talking. Then there are areas around cybersecurity data Al cloud architecture and how

people need to start reskilling. On whether the entire IT workforce be

# reskilled

There are two answers - one is can't and the other is shouldn't. Because the legacy systems are going to be there. There are businesses

