Platform to Netizens

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#### **SUMANTH RAGHAVENDRA** @sumanthr

Looks like the number of startup accelerators in Bangalore will soon outnumber the number of startups in Bangalore

### **Tech Buzz**

## Android N is now Android Nougat



For a few months now. Android N has been the name of next version of Google's mobile operating system. But on Thursday, the internet giant revealed that the official name will be Android Nougat, which will be released later this year. Nougat will have new features like an improved notification shade and split-screen multitasking.

## Quick Byte ANIRBAN BORA



Investments that the VR Venture Capital Alliance. will make in VR startups

## **Smart Material Changes Shape** with Light



Scientists have developed a new smart material that can heal itself and change shape when exposed to heat and light, which may be used in drug delivery systems and self-assembling devices. This is the first time researchers have been able to combine several smart abilities, including shape memory behaviour, light-activated movement and self-healing behaviour, into one material. - PTI

### **Jargon Buster** Newsgroup

A newsgroup is an internet-based discussion about something between users around the world, sharing views about the topic via digital content

Though VC investments have started to dry up, two companies, Razorpay and Kolkata's EFRAC, managed to bag some good money

# Talk of Startup Town: Honey, they Shrunk the VC Funds

Madhav.Chanchani @timesgroup.com

Bengaluru: In a precipitous drop, venture capital investments in Indian startups have shrunk both in value and volume in the first half of this year, a decline that experts reckon reflects the new reality for an industry that experienced a huge boom in funding last year.

The number of venture deals fell by 35% to 183, as compared to 278 in the same period a year ago, while the total value of funds fell to \$1 billionfrom \$2.85 billion in 2015 according to risk capital data monitoring service Newscorp VCCEdge. The dry run was exacerbated by the withdrawal of hedge funds and strategic investors which had invested humongous sums of money in the Indian startup industry be ginning from mid-2014 onwards. VC funding hit a peak in 2015, as 473 deals were registered during the year against 307 deals recorded in 2014. Deal value too more than doubled, shooting up to \$5.4 billion

during the year. 'Last year was an anomaly, and that money was not VC capital but large international corporations and hedge funds driving up the deal value and velocity," said Tarun Davda, MD at Matrix Partners In- now asking is if you can make modia, who said his firm has continueda similar pace of investments as last year. Consumer internet companies which received the bulk of the funding in the boom years have now turned from spending aggres-internet sector," said Anubhab Gosively to acquire customers buil- el, cofounder of hyper-local serviding more sustainable businesses ces company Zimmber.

Attention has now turned to unit economics, cash conservation and customer satisfaction for later stage companies. "GMV (gross merchandise value) based investment has now been replaced by unit economics," said Hari Menon, CEO of grocery etailer BigBasket, which closed a \$150-million round in March this year.

"Investors are worried about what the consumer sentiment will be and are wondering if projections given by the companies will only hold because of discounts,' he said. But even as late stage investments have been hit, early stagedealmakinghas

**VC funding** hit a peak in 2015, as 473 deals were registered during the against 307 deals in 2014

service (SaaS). A slew of venture capital firms like Sequoia Capital In-dia, Kalaari Capital, Nexus Venture Partners and Matrix have announced a new corpus in the last one year and will continue to deploy capital. Along with lesser cash, investors are also now expecting a change in the approach to business. "Investors are

continued in areas

likefinancial tech-

nology, healthcare

and software as a

**DO WE HAVE A DEAL?** 

**Venture Capital Deals (for first six** months of 2014, 2015 and 2016)

**2014 167 deals** \$863 m **2015 278 deals** \$2.8 b

2016 183 deals \$2.8 b

Angel/Seed deals **2014** 172 deals

**2015** 317 deals

**2016** 368 deals

Data courtesy: Newscorp VCCEdge

• Investments by VCs are back to their pre-boom levels of 2014, as startups go back to basics of busi-ness building

• Funds like Tiger Global and Soft-Bank along with overseas hedge funds which led the boom last year have stopped cutting

 This has led to slowdown in late stage deals, which is leading to companies like Snapdeal and Gro-fers to cut costs and lay off em-

## For Everything Else, there's MasterCard for Razorpay

ney from the customer on the first

transaction including marketing

costs, rather than wait for a pay-

back of two years from a customer.

This is very difficult in consumer

This is MasterCard's second investment after Chicago's Mu Sigma

Payal. Ganguly @timesgroup.com

Bengaluru: American payments and financial services company MasterCard has invested an undisclosed amount in Razorpay, an online payment gateway solution for small and medium enterprises

The equity-based investment in the company backed by Tiger Global is MasterCard's second investment. In 2013, it had invested in Chicago-headquartered analytics company Mu Sigma.

Bengaluru-headquartered Razorpay, which works with online product and technology businesses such as cloud telephony company Knowlarity and lifestyle ecommerce portal Nykaa, will be part of a six-month long Master-Card Start Path programme for startups targeted at technology development. "The association with MasterCard opens up the network of banks it works with. As our product focuses on reducing the failure rate of transaction, this will help us bring down the number of hops," said Harshil Mathur, cofounder of Razorpay.

Privanka.Sangani

@timesgroup.com

**Pune:** Global engineering services

provider Tata Technologies has ex-

panded its existing engineering re-

search and development centre

with the launch of Axia, VAVE

The 8,700 sq ft facility will allow

the company to offer end-to-end

product development capabilities

to its clients, primarily in the auto-

motive, aerospace and industrial

space. Warren Harris, MD, Tata

Technologies said that the new

centre was the first step towards a

company that would be more ba-

Centre of Excellence at its facility

The company had raised ₹64 crore from Tiger Global in Series A and Matrix Partners along with multiple angel investors in the seed round. The 33 angel investors include Jeff Huber, senior vice president at Google X: Snapdeal cofounders Kunal Bahl and Rohit Bansal; InMobi cofounders; and former Flipkart chief product officer Punit Soni.

The company incorporated in 2013 works with 8,000 merchants at present. "We are developing new products, especially in the space of Unified

Razorpay product and technology businesses

Payment Interface and EMI-based payments. In these scenarios the partnership with banks are pivo tal." Mathur said. "India is helping

to shape the future of ecommerce through strategic collaborations and innovative technology. The work that Razorpay is doing in India complements existing Master-Card solutions that are helping merchants of all sizes and grow their business," said Stephane Wyper, global lead for MasterCard Start Path programme.

lanced between the virtual and

'Going ahead we will bring in pro-

totype testing and validation

capabilities. This will enab-

le us to take responsibility

for innovation and deve-

lopment from concept to

As a part of their global

strategy, the company

was looking at leveraging

its presence in Silicon Val

with local startups and

technology com-

it could then

use towards

supporting

ley to build relationships

physical world.

launch," he said.



## The Next Step

Path programme for startups targeted at technology development

₹**64 crore** Amount Razorpay raised from Tiger Global in Series A and Matrix Partners, among others

partnering with or investing in

venture capital firms such that

we can influence their in-

vestments into areas

like electric and con-

nected cars and alter-

nate propulsion tech-

nologies. If this mo-

del works, then we

may look at taking it

elsewhere," he ad-

8,000 - Merchants it works with at present

## **Mandala Feeds** \$10 million to **Kolkata's EFRAC**

Anuradha.Himatsingka @timesgroup.com

Kolkata: Mauritius-based PE firm Mandala Capital has invested \$10 million (approximately ₹67 crore) in an integrated food testing lab startup in Kolkata EFRAC founded by a clutch of city-based angel investors. The PE firm has agreed to commit another \$10 million into the startup



The PE firm is picking up a majority stake of 51%

months from now.

and clocks an annual turnover of \$40 million. The PE firm is picking up a majority stake of in the startup 51% in the startup, which Nestle had

after three years provided the facili-

ty achieves 100% ca-

pacity utilisation

used to test Maggi instant noodles during the controversy last year Elaborating on the deal, Mandala Capital founder Uday Garg said: "About 60 % of the total \$10 million invested will be ploughed back into the startup." The fund will be used to set up a US Food and Drug Administration (USFDA) certified new pharma testing line adjoining the existing ones at Barasat, Kolkata. The new line will become operational over the next 18

#### Tata Tech R&D Centre Logs in @ Pune loys 8500 people, and plans to take this up to 10,000 globally by the end of this year. The company may look at setting up other similar facilities or expanding this in the future. According to Harris, outsourcing the design and development process helps the OEMs (original equipment manufacturers) save up to

25% in costs, while maintain the

WARREN HARRIS MD, Tata Technologies

same level of quality.

Going ahead we will bring in prototype testing and validation capabilities

#### ternet activists varied on the question of having a telecom service provider (TSP) agnostic platform to provide free data to users. The Internet Freedom Foundation, which includes members of the volunteer driven savetheinternet coalition, said there is no need to have a TSP agnostic platform for

It's Free-for-all

Over Free Data

**Our Bureau** 

New Delhi: On the last day of sub-

mission of the telecom regulator's

consultation paper on free data,

the submissions by prominent In-

free data.

"Because when users start deciding which sites to visit based on which sites are willing to subsidise them, we are enabling established or large companies to indirectly choke competition using money power. The Internet should exist as an equal platform where the most innovative succeed, not the richest," IFF said in its submission. On the other hand, Member of Parliament Rajeev Chandrasekhar said there was a need to have TSP agnostic platforms. He said there was "a need to have TSP agnostic platforms that can provide a service of Reimbursement to users by websites/apps". IFF argued that such a model violates the regulator's February decision to ban differential pricing models on

## INTERNET FREEDOM FOUNDATION

## The models suggested in the present consultation paper require further scrutiny and regulatory intervention

Trai issued the consultation paper on May 19 exploring ways of providing mobile internet access to consumers for free, without violating a ban on discriminatory pricing of data services. The paper came under criticism from several quarters, as it appears to violate the landmark decision on differen-

tial pricing by Trai in February. Chandrasekhar added that, "to ensure net neutrality, these platforms should be permitted to enter into commercial agreements with only websites that are being pro-

## **Equal Rights**

The Internet Freedom Founda **tion** said there is no need to have a TSP-agnostic platform for free data

IFF said the most suitable model to create equal access was equal rating



moted and/or consumers, and are expressly prohibited from doing so directly with Telcos/TSPs.

The paper asked four questions about offering free data to consumers, and had suggested three models for providing free data — one, a toll-free platform for users where browsing will be free; two, consumers paying upfront and subsequently reimbursed; and three, applications that reward users with incentives such as recharge for data or voice usage.

In response to the question on regulating such TSP platforms, Chandrasekhar submitted that 'collaborative regulation with other regulators that must be explored and developed", while IFF said "regulatory intervention is needed to further augment the existing regulations on discriminatory pricing of data"

IFF said the most suitable model to create equal access was equal rating. "The models suggested in the present consultation paper requirefurther scrutiny and regulatory intervention," it said

## Now, Cisco has a LaunchPad for **Startup Innovation**

#### The Initiative LaunchPad IT IS DESIGNED TO HELP

An open intiative to acstartups

 Authorise channel partners and developers to scale

their solutions



Build Address digital nesses

## **Our Bureau**

Bengaluru: Networking company Cisco has inaugurated Launch-Pad, an open innovation initiative to accelerate startups

This is designed to help startups authorise channel partners and developers to scale their solutions, address new markets, and build digital businesses. Cisco will provide a space at its Bengaluru campus with access to its technology suite and grants to startups chosen to work at its campus. "We will be selecting startups based on the founding team, its capability, how that fits into the larger ecosystem and their willingness to work with an ecosystem." said Amit Phadnis. president, engineering.
Through LaunchPad, the star-

tups will get to work on solving business relevant problems by catering to use cases that are identified and validated by Cisco go-to-market teams. The company will concentrate on

manufacturing, retail, education,

healthcare, IoT, transportation, analytics, cloud and agriculture sectors, among others, and will not be taking any stake in the startups. As a part of the programme, the company will attach a senior-level sponsor to carry forward the process. "There is a

The Cisco LaunchPad is the latest among initiatives by multinational companies to engage with the startup community

select a startup, a (channel) partner and find a use case. we will be attaching a sponsor from Cisco. They will take the whole process through from Cisco and the startup's

governance board

and an internal

technology team.

We have about 28

global technology

leaders. When we

perspective," said Phadnis. Cisco will collaborate with Tech Mahindra to develop digital solutions for Indian electric utilities. The companies will work with se-

lect startups and developers to accelerate digitisation of the power sector.

# PwC India Charts a Road to Digital Business Via PMO



Deepankar Sanwalka, leader, advisory services.

ANIMISHA

PwC India, spoke to **Neha Alawadhi** on how the consultancy is looking at expanding its niche vertical expertise. PwC India says it has the biggest government practice among the big four in India. Edited excerpts:

## How do you look at the digital space?

Digital for us is different from Digital India, which means different things to different people, and also includes rebadging of several schemes. For the tech companies, a lot of 'digital' is around analytics. A lot is around some implemen tation itself which is now rebadging as digital. Digital for PwC is how we leverage the digital channels - social media ecommerce, or anything where tech

nology becomes the catalyst for the interaction between two parties.

#### How do you leverage the digital technology, especially in the government practice?

We look at digital as a channel, as a way of doing business. What we do at MyGov.in is a great example.

We are managing that platform for interaction of the citizen with the Prime Minister's Office.

If you transpose that into a private sector scenario, let's take any large conglomerate which has got 5.00.000 employees, we can replicate that model for interacting with employees and clients and so on.

The government is very open to using consultants, more so than ever, and is not shy of paying good fees for the best

experience across verticals.

#### How are you looking at the cybersecurity piece?

One of the key reasons we believe cyber is very big is because there's a huge government initiative on cybersecurity. We are helping UIDAI (Aadhaar) on cybersecurity, and also working with Mumbai administration on the Crime and Criminal Tracking Network and Systems. We also work a lot in the private sector. We now have a team of over 500 people, from over 100 people three years ago.

#### How does India compare to other parts of the world, in terms of your experience in other geographies?

The key difference is scale, very few countries have this scale. It even baffles our global experts but the advantage is that they've done things in a smaller way, and we can leverage that. A lot of companies in many ways are looking at China. because there the scale has been done

How are talent demographics changing with the changing nature of business?



One of the key reasons we believe cyber is very big is because there's a huge govt initiative on cybersecurity

**DEEPANKAR SANWALKA** Leader, Advisory Services, PwC India

That is a big challenge. In really hot areas, we're tying up with educational institutions now.

We just tied up with NIIT University for cyber talent, and are in the process of tving up with ISI in Calcutta, for our analytics practice.

The other one is senior talent and how we bring them into white spaces. There are no easy answers to that one. We have to accept that we're not going to find the perfect candidate in the given market.

So we focus on finding a candidate who is willingto take on a challenge

