A MeitY Initiative with Govt. of Karnataka, Harvana, Gujarat & AP





DIGITAL TRANSFORMATION IN HEALTHCARE & LIFESCIENCES

The Gujarat Perspective

















FROM THE EDITOR'S DESK



Through relentless efforts and sustained stakeholder interactions, NASSCOM's LHIF - Lifesciences & Healthcare Innovation Forum has nurtured an ecosystem of industry leaders and healthcare & lifesciences advocates, passionate about creating a difference in healthcare today by leveraging the best of emerging technologies. With evangelists across India, LHIF took place in Gujarat - a vibrant and fast-growing community of thinkers, leaders, keen business minds & innovators. This initiative was a lucrative opportunity for all these stakeholders to converge, identify collaborative opportunities in healthcare and drive innovation in Gujarat.

The rapid adoption of emerging digital technologies by this sector has proven to be one of the key factors behind the success of affordable digital healthcare. With the theme of "Enabling Digital Transformation of Healthcare & Lifesciences – The Gujarat Perspective" #LHIF brought together senior decision-makers from Govt, Hospitals, Pharma Companies, Medical Device Companies, Startups/Innovators, Academia and other relevant stakeholders from the ecosystem to discuss innovation and adoption of technologies in healthcare. It was a privilege to host such luminaries at this Summit, where industry members interacted to brainstorm the way to build an adaptive and collaborative healthcare & lifesciences ecosystem.

20+ speakers, 200+ participants, 10+ startups... and a host of new ideas & zeal to accelerate innovation in healthcare. This was LHIF 7 in a nutshell. Some impactful use cases & multi-pronged strategies for a cohesive ecosystem were discussed through panel discussions and interactive Q&A with startups. A key component that sets LHIF apart is the industry roundtable held at every event. This time as well, we hosted industry leaders to discuss the digitisation of the state's robust pharma industry, and the evolved role of the state govt in enabling better access to public & private healthcare using technology. We are thankful to our Industry & Association partners i.e. TIE Ahmedabad, FICCI Gujarat Chapter, IDMA for their active support and collaboration.

These sustained efforts to build one of the most comprehensive & collaborative ecosystems is also part of a larger goal – the NASSCOM Healthcare Initiative – outlining three pillars – Design, Discover & Scale.

We're now gearing up for our next major event in New Delhi on April 8, 2020 so more on this one-of-a-kind healthcare initiative in our next newsletter.

Hope you enjoy reading this report on LHIF 7.0!

- Raghuram Janapareddy Director, Lifesciences & Healthcare NASSCOM CoE IoT



LIFE SCIENCES & HEALTHCARE

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EVENT SYNOPSIS

The 7th edition of LHIF was hosted at the Courtyard by
Marriott, Ahmedabad, marking its maiden presence in the
industrial state of Gujarat. The event was attended by more
than 200 people, and marked by government presence as well
– where the goal was to nurture a digitally empowered lifesciences & healthcare ecosystem



(L-R) Raghuram Janapareddy, Director – Lifesciences & Healthcare, NASSCOM CoE IoT & Al, Sunil Parekh, Co-Chairman, FICCI Gujarat State Council, Sachin Gusia, Managing Director, Gujarat Informatics Ltd, Jaiprakash Shivahare, Commissioner of Health, Govt of Gujarat; Sachin Gusia, Managing Director, Samir Desai, President – Biologics, Zydus Cadila and Amit Saluja, Centre Head - Gandhinagar CoE, NASSCOM during the seventh edition of LHIF in Ahmedabad on 21st January 2020.

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KEY NOTES



Raghuram Janapareddy Director, Healthcare & Lifesciences NASSCOM CoE-IoT & AI

Raghuram Janapareddy, Director, Healthcare & Lifesciences, NASSCOM CoE-IoT & AI, began the session with a brief introduction on how LHIF as an event has grown rapidly in a short span of two years, and the inaugural event in Gujarat marks the maturity of the healthcare ecosystem diversifying into innovation in pharma & manufacturing. He also spoke of the forum's ability to bring together the industry to develop a digital healthcare model of the future, and hope to take it to India's major cities & towns, providing the most advanced healthcare options to everyone.

Sachin Gusia IRS, Managing Director, Gujarat Informatics Ltd, DST – Govt of Gujarat, said it was crucial now to focus on new startups that were breaking new ground in healthcare. Technologies like IoT, AI, AR/VR & machine learning continue to be at the core of innovation in healthcare. He also stressed on the need for technical upskilling and promote entrepreneurial skills at early development stages, citing that the Gujarat government has launched multiple policy initiatives to foster entrepreneurship & innovation in educational institutions.



Sachin Gusia IRS

Managing Director, Gujarat
Informatics Ltd, DST – Govt of Gujarat

Through events like LHIF, we want companies to collaborate on product development, to nurture startups & foster strategic industry relationships to build an active & robust ecosystem.



Samir Desai President Biologics, ZydusCadila

Samir Desai, President – Biologics, ZydusCadila, stated how Artificial Intelligence is democratizing acumen today across industries, and the largest changes in pharma are intended to always empower the patient. He spoke about how IBM's Watson was changing the reliance on a clinician's experience, and how AI has matured to the extent that it can help identify genetic mutations, making treatment protocols more focused. Diagnosis is now moving from lab to device, becoming more non-invasive, quick, patient-controlled, cost effective, mobile & easy to comprehend – technology has played a huge role in democratising patient data. With India ranking high in skewed doctor-patient ratios, technology interventions could be the most reliable way to ensure the continuum of care across all spectrums. Curated health records, EMR/EHR, multiple apps to monitor health parameters have all changed doctor-patient interactions for the better.

11

End of the day, a doctor will always have the foremost ability to identify casualties and make judgment calls. But, technology can helps accelerating the steps that lead up to time spent with a doctor for his counsel and guidance, making the doctor-patient interaction richer.

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KEY NOTES



Sunil Parekh Co-Chair FICCI Gujarat State Council

Sunil Parekh, Co-Chair, FICCI Gujarat State Council, who is a veteran in Gujarat's business community, spoke of the symbolic coming together of entities like FICCI, NASSCOM, government & enterprises on a single platform to deliver a value-driven experience in healthcare. He emphasized on pilot projects in Industry 4.0 and the need for skilling programmes for the youth in Gujarat. This would enable them to innovate based on industry requirements and rank higher in India as a tech hub.

"

There is a paradigm shift happening in healthcare today.

Today, technology companies are getting into the healthcare business aggressively, and the time is ripe for AI adoption.

I don't think AI will replace doctors, but doctors without the knowledge of AI will perish. The industry needs to come together to enable step-wise adoption of AI.

"

Jaiprakash Shivahare, Commissioner of Health, Govt of Gujarat said that the business community has to be technology-agnostic to move ahead of the curve, explore value, innovate & deliver quality products and solutions. He also stressed that all these changes would be possible with a push from the government, and alterations in processes. He also explained about various government programs improving the healthcare delivery for the public.



"We want to provide equal opportunity to startups, enable them to enter the market and explore more opportunities for synergy between public & private entities."



Jaiprakash Shivahare Commissioner of Health Govt of Gujarat

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PANEL DISCUSSION: 1

DIGITAL TRANSFORMATION IN THE PREVENTION & CONTROL OF NON COMMUNICABLE DISEASES IN INDIA



(L-R) Deepak Arora, Director – Market Access & Commercial Excellence, AstraZeneca (Moderator), Dr. Larisa Ramirez, Medical Director – International CVRM, AstraZeneca UK, Garima Kumar, Product Specialist, UE Lifesciences, Dr. Banshi Saboo, Chairman, Diabetes Care & Hormone Clinic, Amit Saluja, Center Head, NASSCOM Center of Excellence IoT & AI, Gandhinagar.



Deepak AroraDirector – Market Access &
Commercial Excellence, AstraZeneca

Deepak Arora: Disruptive technologies are changing Indian healthcare delivery models. If you look at the government, it spends 5% of its total budget on health. 70% of healthcare needs are covered by private players with increased cost of hospitalization rising from 83% to 263% in a decade. 86% of rural, and 82% of urban Indian patients don't have state-funded insurance. Now, disruption is being seen across the healthcare sector patients are now the consumer; hospitals are supported by AI & ML technologies; insurance providers play a crucial role and technology helps manage the huge numbers of patient records; and government agencies/ regulatory bodies are getting more involved with the real demands of the healthcare ecosystem using technology. And finally, disruptive technologies have resulted in less invasive diagnostics, patient-facing mobile apps, digital platform integration, surgical robotic tools, remote monitoring, AI & smaller implants. Specifically, in India, m-health, telemedicine & remote diagnosis are disrupting the Indian healthcare industry prominently. Already, implemented use cases of tech like AI & ML can be seen in remote patient monitoring, smart ambulances & care delivery models.

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PANEL DISCUSSION: 1

Dr. Larisa Ramirez: There is a tremendous increase in healthcare data today. Many companies are exploring the use of AI in clinical trials. There is a lot of value to derive from this data, and aggregation strategies are required. Unlike many leading nations, India is leading the way in the judicious yet constructive use of data for the benefit of the industry. It is one of the first and only nations to have submitted data for clinical studies pertaining to NCDs. However, with healthcare protocols constantly changing, physicians are finding the need to super specialize getting stronger. In India, physicians, especially GPs, can thrive being generalists and thus cater to more patients, given the skewed doctor-patient ratio. However, it is very important for them to specialize and improve their outcomes in those chosen areas. Education is crucial in this aspect, and this awareness can enhance the quality of innovation in specialty areas.



Dr. Larisa Ramirez Medical Director International CVRM, AstraZeneca UK



Dr. Banshi Saboo Chairman, Diabetes Care & Hormone Clinic

Dr. Saboo: Doctors in India are genuinely pressed for time. In some cases, they consult nearly 40-60 patients in an hour or two hours. Obviously, they don't have a lot of time to spend on each patient, and this is where technology can ease the workload for doctors. EMR/EHR systems should be made available across all healthcare centres, especially in rural areas. With healthcare data available, efforts should now be made to integrate this data for effective treatment, communication & follow ups.

Garima Kumar: One of the most critical issues plaguing rural healthcare is limited means of screening and preventive healthcare methods. For this, it is important to have evangelists apart from doctors, who can explain to patients in simple terms, the need for early screening. Many patients refrain from screening themselves for the fear of the outcome and the aftermath. This can lead to loss of valuable time in ensuring they get the right kind of treatment. Public health professionals especially need to focus on awareness generation.



Garima Kumar Product Specialist UELifesciences

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SUCCESS STORIES Digital Transformation in Pharma Industry



Dr. Seema Nair Senior Solution Designer Lifesciences, L & T Infotech

Dr. Seema Nair, Senior Solution Designer - Lifesciences, L & T Infotech, While L&T Infotech (LTI) is a leader in manufacturing, its expertise in developing a collaborative & platform-driven approach to healthcare has been gaining popularity. LTI has partnered with Agility Pharma to establish an Innovation Hub in California. The focus of this hub is on lifesciences, biotech, pharma, medical devices and healthcare, with the aim of bridging the gap between fundamental research & commercialization, fostering collaboration among diverse sectors, lowering R&D costs for member companies and train the next generation of technology competence. A Digital Command Center functions as a fully integrated business suite allowing technical monitoring of health, monitoring efficacy of business processes and UX monitoring. Other features include a connected smart lab to optimize processes in lab operations, healthcare asset management, digital workspaces and more. These measures led to a marked improvement of OEE, reduction in costs pertaining to support services and faster resolution of incidents. One of the success stories included e-commerce integration with IoT to enhance customer experience with easy monitoring; and image processing & analysis for automated diagnosis of skin cancer using dermascopic images.

STARTUP SUCCESS STORIES Genetic Mapping For Disease Prediction/Detection

Pooja Ramachandran, VP – Genetic Counselling, Mapmygenome, Mapmygenome is a leading Indian personal genomics company that leverages state-of-the-art DNA sequencing and SNP Genotyping technologies coupled with latest research to provide personalised health solutions. Key offerings include GenomePatri, MyFitGene, MedicaMap, SmartSport, MyNutriGene, SugarGene & GenomePatri Heritage. The company has partnered with several research centres and labs like Imperial College London, Diabetes Foundation of India; sports and fitness centres like Malaysian Football Association & Modern Teaching Aids in Australia; and hospitals including SRL Diagnostics, Dr. Lal's PathLabs & Metropolis Lab



Pooja Ramachandran VP – Genetic Counselling Mapmygenome

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Niramai - Non-Invasive & No-Touch Breast Cancer Detection Solution

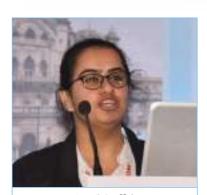


Himanshu Madhu Tech Lead Niramai Health Analytix

Himanshu Madhu, Tech Lead, Niramai Health Analytix, Niramai's solution is privacy-aware and assists with early detection of breast cancer using thermography. Powered by ML, more than 25000 screenings have been conducted, and the product is India DCGI/CDSO approved, with installations in hospitals & diagnostic centres.

Non-Invasive Internal Bleeding detection

Bani Sodhi, Innovation Analyst, Bioscan Research, Bioscan Research's product line include Cerebo – a brain hemorrhage detector (available commercially) and Ventro – to detect intraventricular hemorrhage for preterm babies (under development). Other potential applications include joint bleed detection, abdominal bleed detection, cerebral perfusion during cardiac surgeries, acute lung injury and DVT.



Bani Sodhi Innovation Analyst Bioscan Research



Arun Agarwal Founder & CEO Janitri Innovations

Labour Room Point of Care Device

Arun Agarwal, Founder & CEO, Janitri Innovations, Janitri Innovations has two major products – Daksh and Keyar. Daksh is an intelligent labour monitoring tool, while Keyar is an FHR and uterine contraction monitoring device. These devices are affordable, wearable, easy to use, provide timely alerts, central monitoring & automated partographs. They are being used in 8 states, in over 115 hospitals and 26000+ women monitored during labour & delivery.

Predective Maintenance using IoT

Dhananjay Pagere, Key Account Manager, Ecolobrium Energy, Ecolibrium Energy enables enterprises to prevent unscheduled downtime and optimises maintenance & energy costs. In the pharma industry, they work with INTAS, Zydus and Pfizer.



Dhananjay Pagere Key Account Manager Ecolobrium Energy

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PANEL DISCUSSION: 2

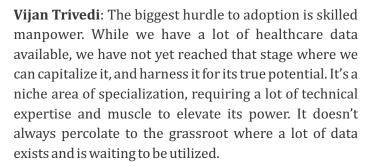


(L-R) Raghuram Janapareddy, Director - Lifesciences & Healthcare, NASSCOM (Moderator) , Shanay Shah, Director, Shalby Hospitals Dr. Chinmay Shah & Arvind Sivaramakrishnan, CIO, Apollo Hospitals , Vijan Trivedi, CEO, Shubh Aarogyam



Shanay Shah
Director
Shalby Hospitals

Shanay Shah: One of the biggest concerns in healthcare in rising costs, especially elective procedures. Developing package deals to curb costs is an effective way to optimize healthcare, and this can be done using technology. **Arvind Sivaramakrishnan**: As a corporate healthcare entity, there are ways to standardize healthcare but this comes with challenges. The market has to be serviced based on the needs, and constant monitoring of protocols lays stress on sustainable adoption strategies. It's about maintaining a fine balance, keeping patient care at the centre.



Dr. Chinmay Shah, Govt Medical College, Bhavnagar, There is a need for collaborations between government hospitals and those facilitating existing market opportunities to implement proven technologies at the Government hospitals.



Arvind Sivaramakrishnan CIO, Apollo Hospitals



Arvind Sivaramakrishnan CIO, Apollo Hospitals



Govt Medical College Bhavnagar

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ROUNDTABLE



India's healthcare is governed by a complex mix of stakeholders including the Ministry of Health and Family Welfare, Urban Local Bodies, and respective state governments. That healthcare is a state subject that is very lightly highly regulated.

Multiple healthcare service facilities are currently under utilised because either the centers fail to adopt a patient centric approach or they are ill-equipped, which requires immediate rectification. The need for convergence and integration amongst Anganwadi workers and Swasthya Sevikas will play a vital role delivering the services required.

Administrative boundaries and community structures, including innovative models of mobile health units would lead to effective and timely referrals and follow-ups. Streamlining technology in the working of public health sector plays a crucial role.

How to integrate different actors within healthcare service provision is a major concern. Combining health and social care, with specific focus on urban and rural needs is important as characteristics of public health services cannot be reduced to just medical health services. Effective monitoring, surveillance and accountability can only be held up through a more direct, streamlined flow of governance that promotes social audits and strengthens the roles of NGOs and communities.

The industry roundtable was attended by:

- Sunil Parekh, Co-Chairman, FICCI Gujarat State Council
- Deepak Arora, Director
 Market Access & Commercial
 Excellence, AstraZeneca
- Shanay Shah, Director, Shalby Hospitals
- Piyalee Chattopadhyay
 TiE Ahmedabad
- Arvind Sivaramakrishnan CIO, Apollo Hospital
- Jagdish Patil
 L&T Infotech
- Dr. Kamlesh Patel, MD, CEO NIDHI TBI - IIPHG
- Prof. Shariff Ahmadullah AIIMS, New Delhi
- Raghuram Janapareddy Director of Lifesciences & Healthcare, NASSCOM COE
- Amit Saluja, Centre Head Gandhinagar CoE, NASSCOM

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MEDIA FOOTPRINT

'Health-tech sector to grow to \$10 bn by 2025'

PE BUREAU

BEDIATE HEALTH-TECH senter is all set to grow manifold in the as set to gree manual in use most they years as it has the po-tential to gree from appears; mately \$500 million currently to \$10 billion by the end of 2025, said Raghanem lon-pureddy, director of Open in-nevation. Life-oriented it Healths are non by the National Association of Saftware & Sor-vice Companies (Nasscom).

Talking to FE on the side-lines of the seventh edition of Nasconn Centre of Excellence leff & Al's flagship hustileare

initiative - Life-sciences & Healthcass Innovation Foreign Healthcase interration Foreign (LHIF)—brid in Ahmedabad on Tuesday, Janagamddy said apart from the private sector, there would be buge formed of health-tech from govern-

across India under its Ayush-man Bharat initiative and, to achieve the target, there would be mannered requirements of digital technologies, he said, adding that internet of things (left) and artificial intelligence (AI) would play cracial role in year future in healthcare industry, and adoption of transformation would be established formation would be est somely high. According to him, heath-e me industry would double to over \$350 to fine by 2025 end,

user 5350 tillion by 20,25 end, and, in the pocous, houself-trich would play very important role. Meanwhile, during insu-gural sunion of the retent, Go-jourit thealth commissioner by Prakealt Shirthare stressed on adoption of healthcase tech-nologies to make public health system moreosificores.

tem movedbisent. According to Shirbare, the government would be the largest adopter of digital techrusingles in coming days but the public sector has a challenge to create equal opportuni-ties for all digital Vice-poesi

deat of Gujanet Institute of Development fu-much (GIDII) Sunil Parish went on its say that only those doctors who would adopt Al and left in future would remain in business and

नारडोग सेन्टर खोड़ कोड्सेलेन्सन् इलेगशिप હેલ્સકેર પહેલ હવે આવી પ્રહોર્સ્ય ગુજરાતમાં



હર પ્રતીષા સંસ્તા અપલે સાપલમાં સામા હતા.

FINANCIAL EXPRESS

नास्कोम सेन्टर ऑफ एक्सेलेन्स की फ्लेगशीप हेल्थ केयर गुजरात में



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NASSCOM CoE Flagship Healthcare Initiative Comes To Gujarat



Ahmedabad: The seventh edition of NASSCOM Center of Excellence IoT & Al's flagship healthcare initiative Ufesciences & Healthcare Innovation Forum (LHIF) was held at The Courtyard by

More than 300 delegates attended this forum, which hosted 15 speakers and 6 startups. Keynotes were delivered by eminent government officials in healthcare such as Shri

Jaiprakash Shivahare, Commissioner of Health, Govt of Gujarat & Dr. Jayanthi Ravi Secretary - Health & Family Welfare Dept, Govt of Gujarat. In addition, opening session speeches were made sessori specches were made by Sachin Gusia, Managing Director, Gujarat Informatics Ltd; Samir Deski, Presidenti -Biologics, Zydus Cadila and Regituram Janepareddy, Director - Lifesdenices & Healthcare, NASSCOM CoEloT& AI. (19-6)



FREE PRESS GUJARAT

City Event

AHMEDABAD EXPRESS

वधक्तावन्य अने देखहेर छनोवेशन्सन् सातमा सहसायन् आसोपन

ટેક્નોલોજીની મદદ્થી સારવારને સરળ જન્માર માર્ચ માર્ય માર્ચ માર્ય માર્ચ મ

સ્ટાર્ટ્સમામાં નિરામાદ, મામાદાજેઓમા पायोग्डोन्, दिस्स्य प्रनिजी प्रनोबेशन रक्ते क्योरिक्ट्रिक्ट्र स्टेक्ट्रॉन्ट्र स्थापीय स्थापी

લવ્યોલ પાત્ર છે. આ અંકાવાલે પ્રવાસલ લિવાર, કરિયાન્ટર એક હેલા, ગુજરાત લાકાર અને શે. પહેલી કીંગ સહદી - આદીવર માને પહિલાર કરવાલ વિભાગ, ગુજરાત પ્રવાસ જેલ તેલાંગ લેલાન્ટરના પ્રાથમિત માત્રાલે અંગલાનિત હાળર રહ્યા હતા. આ ઉપરાંત લાંગલી અને લિવારોમાં હતાથી આપી આઈ અને

AHMEDABAD EXPRESS

કાર્મા ક્ષેત્રે નવાં ટેફનોલોજિકલ દીનોવેશન જરૂરી

અમદાવાદ: નાસ્કોમ સેન્ટર ઓક એક્સેલેન્સ આઇઓટી (ઇન્ટરનેટ ઓક વિંગ્સ) અને એઆઇ (આર્ટિકિશિયલ ઇન્ટેલિજન્સ)ના ક્લેગમિય હેલ્થકેર ઇનિશિયેટિવ 'લાઇકસાય-સિસ અને હેલ્પકેર ઇનોવેશન કોરમાં (LHIF) અમદાવાદમાં મોજાઈ હતી. નાસ્કોયના ગાંધીનગર ખાતેના સેન્ટર ઓફ એક્સલન્યના સેન્ટર હેડ અમિત સલુજાએ જણાવ્યું હતું કે, "અમે દરેક સેક્ટરમાં નવી ટેકનોલોજી અંગે સંશોધન કરી રહ્યા છીએ અને ગુજરાતમાં મહત્વના એવા લામાંસ્યુટિકલ્સ અને હેલ્પકેર સેક્ટરમાં ટેકનોલોજિકલ ઇનોવેશન્સ માટે યશી તક છે. અનેક સ્ટાર્ટ-અપ્સ નવી ટેકનોલોજી દારા હેલ્થકેર અને ભર્મામાં પ્રક્રિયાઓને વધારે ઝડપી અને ચોક્કસ બનાવી રાષા છે. નવી ટેકનોલોજી ગુજરાતમાં દાયકાઓથી સ્થપાયેલો કાર્મા ઉદ્યોગની વધારે ઝડપી વૃદ્ધિ શક્ય બનાવશે." આ કોરમમાં ૩૦૦થી વધુ પ્રતિનિધિઓ હાજર રહ્યા હતા, જેમાં ૧૫ સ્પીકર્સ અને€ સ્ટાર્ટઅપ્સ જોડાયા હતા. કોરમમાં નિરામાઈ, મેપમાઇજેનોમ, બાયોરકેન રિસર્ચ જોડાયા હતા.

SANDESH

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MEDIA **FOOTPRINT**

નાસ્કોમ સેન્ટર ઓફ એક્સેલેન્સની ફ્લેગશિપ હેલ્થકેર પહેલ હવે ગુજરાતમાં આવી પહુંચી

નાસોય લેંદા ઓક ખેડતેલેના InT અને Aiની ફ્લેંગ્લીય રેલ્લોર પહેલ "લાઇસ્થાપ-લાદ ખને હેલ્પડે? ઉનોવેશન શેરમ (LHF) નો માનમ અભ્યયનું આયોજન તોરેલ કેટીયાં આપ્ય મેરિલોટ અને કરવામાં આવ્યું

મા કોરમમાં ૩૦૦મી મધ પ્રતિનિધિનો હાજદ સ્થા હતા, જેમાં ૧૫ સ્થીઓ અને ૨ સ્ટાર્ટબલા ને હોસ કરવામાં ગામ્યા. કરિયાના બીક હેલ્પ, યુપલાલ શરકાર જવવકાશ શિવારે જેવા હેલ્પદેદ લેક્ટરના જાલીલા સરકારી અધિકારીઓ હતા મુખ્ય નોલ્નીએ রংবাদা ভাগে এর, ভা গৈলে বুগলে কেটানীয়ের মিদিইলে উন্তিম নিয়ের রমিল বুলিনে, પ્રમુખ- જવવિશાન, પ્રયાસ કેડિયા સમેર દેશાઇ, અને દિવસર -જન્મીરી અને આરોગ્યસમાય, માર્જ્યોમ રહેરામ જન્દવરેડી COEIDT & ALSIA ARPANAMA



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Ulasa. No real મિન-કો ચુનિકેલ્લ રોલોના નિયાભા અને નિયંત્રલ માટે અનેક પ્રભાતિએ અને પેનલ ચર્ચાઓ

વક તથા. - નેશનથ દિવાસ હેલ્ય ખૂરિનાનો અમલ, દિવાસ દુવ્યકોરેલન આજે દાવી ઉદ્યોગને દેવી દિને ખડતી રહ્યું છે, અને આજે દિવાસ તકનીકોને અધ્યાપમાની

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केंद्रभागों देशका स्टार्ट अरथ पत તતા જેવે તેલ્લકેનમાં દિવિસ્થ તાનીદિમોને લાગુ કરવામાં તેમની લકળાર ધાનુન કરી હતી. જે દેવનીઓએ સાર્થન કર્યું હતું તેએ નિરાયાર્ધ, મેપલાઇજનોમ, ભાગમાં દેવમાં જનીએ(ત્રોધાન અને ઇકોલિપ્રીયમ બેનર્જીનો works see it.



पत्नेग शिव हेल्थकर पहेल अब आ पहुंचा गुजरात म

वरमद्वार (चना)। राज्येश वेंदर जीव प्रकेशना प्रकारी ्य प्रथम का प्रतेमही प्रश्निकारी व्येत पार्ट्य सायनम् प्रम रेल्पचेत्र इसंप्रदान प्रोतन के सालवे अध्यान को आयोजन होते ह संदेश है या प्रतिकार में हुआ हत. मोरम् में १०० से जधिक श्रीतनाथ प्रशीनस से जिसमें १५ व्याचार्त और ६ घटाई अभी भ्री होतर विशा राष्ट्र हो। वर्ष एकाम विश्वर, कमिश्य ऑप हेल्स.

promise shed which College Algoures किट्टी, महस्त्र एवं परिवार सन्याण विभाग, गुजरात समासनः विशित्सल प्रकृतिको द्वार अवस्थ से जैसे राज्यकोर समादन में प्रतिस्त्रः कोमानुनिकेशन विना में सामी का राज्यमं अधिवारियो द्वारा विशेष निवारण औरनिवंत्रम केल्लि केल न प को तर्ज की। मुजराक वर्षाम हो की नेम्नल दिख्या इन्सरीत्मा विचेदक कोनीवन् अत्य व्यक्ति का अन्नति दिख्या दिख्या मंत्रिय समीति व्यक्तिक का अन्नति दिख्या दिख्या मंत्रिय समीति व्यक्तिक का प्रकारिक की देशाई अध्यक्ष कोन विचार किसाइम्स प्रवर्तिक कराने हैं की अपदान केरिया और स्थापन असा आज (केरिकटार दक्तनी की) की पोड़ी विशेषका जीवन साती और जनवार के कामा की प्राण्ये का स्थापक प्रयाप, पामकीम प्रवाहांको

सत्र में आयण दिश राय थे।

NEWS LINE SIDHA SAMACHAR

Healthcare initiative comes to Gujarat

Ahmedabad: The seventh edition of NASS-COM Center of Excelience foT & Al's flagship bealthcare initiative Lifesciences & Healthcare Innovation Forum (LHIF) was held at The Courtyard by Marriott. More than 300 delegates attended this forum, which hosted 15 speakers and 6 startups. Keynotes were delivored by eminent government officials in healthcare such as Shri Jaiprakash Shivahare, Commissioner of Health & Dr Jayanti Ravi, Secretary, Health & Family Welfare. In addition, opening session speeches were made by Sachtin Gusia, Managing Director, Gujarat Informatics, Samir Desai, President, Biologics, Zydus Cadila and Raghuram Janapareddy, Director, Lifescienc-

નાસ્કોમ શેન્ટર ઓક એક્ક્લેન્સ નું ફ્લેગરિયનેલ્પકેરપહેલતવે ગુજરાતમાં



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નાસ્કોમ સેન્ટર ઓફ એક્સેલેન્સ નું ફલેગશિપ હેલ્થકેર પહેલ હવે આવી પહેંચ્યો ગુજરાતમાં



সংখ্যালয়। প্রতীশাইত নার : FQ, \$200 - লাটাতর বিশ্ ভারতীর বা বা নাই A24 : বীয়ো সমার বিশ্বত পুরাক বুল মার্টির বার্টির বার্টির স্থান বা বিশ্বত বা আহিল্যালয়ে করা বিশ্বত বা করিব বার্টির স্থান্তর করা বা কর্মকার বাবে (NEF) বা মুখ্য বাংলীর সংখ্যালা করেবু men white males we

विभिन्न को उत्पाद कान्य का क्षेत्रको १८०० की सु प्रतिनिधिको अगर कार करा, सम्बद्धाः करा स्टब्स्

eg, ber Onlie gebon omfellen feldem orfen flaste after give, ante lant, oge-moline, men flan met men mentille, fillen i besellet me मार्थाण्यामात्रः, त्यास्त्रं स्टिटीस् इ.स. ११३ १०विकः समय मार्थसः सरमात्रं साम्यासः, (११०-८)

LOKMITRA

ਗारडोम सेन्टर गोड़ એક सेवेन्सनी કલેગશિપ હેલ્થકેર પહેલ હવે ગુજરાતમાં

क्षमध्यात. व्यक्तील सेन्डर लॉड મેક્સમાં માર્કમાંથી અને એક્સમાં માર્કમાંથી અને એન્ટર્કનુક નેવલીય દેમ્પકેર પહેલ નનાડું કુશાયત્વ અને હેલાકેક દુર્તાહેશન કારમના સાનમનુ અપાબનુ આવેલન કોરની કોરો કોર્ડવાર માત્ર મેરિયોટ ખાલે

કરવામાં આવ્યું ઘડું. આ કોરમમાં ૨૦૦ થી વધુ ક્રાંતિનિધિઓ શંજર રહ્યા હતા ઉમા

જેવા તેલવડેર સીક્ટરના જાઈના સરસાદી અદિકાદીએ હવા મુખ્ય સરાશી અંદેશનીએ વર્ષ યુવ્ય નીધનીએ કરવા આવ્યું હતું એ ઉપાઈત યુવાનાના ઇ નીધીલા ક્રિકિટના મેનીજગ દિશસ્ટ સમાન ગુરેશન સમાર દેશકો પ્રયુન સમારામાં ગામાર કેરિયા ત્રો કર્ય વ્યાવસાય અનાપર ક્ષી ક્ષિત્રસ્ટ સમારામાં અનાપર ક્ષી ક્ષિત્રસ્ટ સમારામાં અનાપર ક્ષી ક્ષિત્રસ્ટ સમારામાં અનાપર ક્ષી ક્ષિત્રસ્ટ ELEN COEiet & Al Dis Malalkon area antoneses males areas ontoni

YOUNG LEADER



નાસ્ક્રોમ સેન્ટર ઓફ એક્સેલેન્સની કલેગશિપ હેલ્થકેર પહેલ હવે ગુજરાતમાં

નાઓમ પ્રેનાર અંક એમ્પ્રેલેના આઇઓડી અને એઆઇનું કર્મ ગામિય તેલાકેર પહેલ લાઇક સામન્યાસ અને હેલ્પકેર ઈન્ડેરેશન કોરમના શાનમું અધ્યાવનું આવેજન શહેરની લોકેલ કોર્ટવાર્ડ પાત મેરિયોર ખાતે રસ્વામાં આવ્યું હતું.

કોરમમાં આરોગ્ય સંભાળ અને કાર્મા ઉદ્યોગમાં ડિજિટલ પરિવર્તન પર ચર્ચા વિચારલા

પ્રાતિનીઓ હજાર રહ્યા હતા. તુવિકા, અનેર રેસાઇ, સમૃષ્ જેઓ લગ સ્પીકર્સ અને ક જાર્યાચાળ, ગાયાસ સીંગા સ્ટાર્ટલપ્લને હોસ્ટ કરવામાં અને દ્વારાય જનાયો છે, ભાગા જમામાર કેવારો, કિરેક્ટર જ્યારેથી લગે કરિત્યા લોક હેલા યુવાત લાદોલ સંભાગ નાસોય મારાત અને દો. જ્યાંને રહિ, Collin & તો હતા પાર્ટમાં હોંદરી આરોગ અને પરિવાર સાનાના ભાગમાં આપવાના કરવાલ વિસ્તાન, પુત્રવાન આપવા હતા. Difyes સરકાર જેવા તેમારેસ શિક્ષ્ટરના, પ્રયતિના હશા ભાગમાં ખેત લ્લોના સરકારી અધિકારીઓ. કેમ્યુનિંગલ કોર્યાનાનિયાલ દારા મુખ્ય નેશનીથી કરવામાં અને નિયંત્રલ માટે અને ક व्याचुं तह व्याप्तिक पुष्पात अपूर्णिक इन्यामेजिक्स विभिन्नेत्वा वर्णा वर्ण

का करमा ३०० थी थु चेनेनिया विदेशका समिना अवृत्तिको अने पैतना प्रश्नानी

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