HEALTH BUSINESS

Mumbai: Biotech incubated in India's first DIY Bio Lab and Bioincubator at BioRiiDL

By HT Team

Posted on July 12, 2017

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Biotech projects incubated in India's first DIY Bio Lab and Bioincubator at BioRiiDL showcase their projects to compete for funding.

After the successful launch of tech start-ups incubated at RiiDL, Somaiya Vidyavihar launched BioRiiDL an incubation cell for biotechnology start-ups and a DIY bio lab. BioRiiDL aims to nurture innovation and entrepreneurship in various aspects of Bio Technology.

To encourage and support this initiative Bio RiiDL has set up DIY BIO LAB, a space where biologists can come, execute their ideas and innovate, even after completion of their studies, they

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The BioRiiDL will facilitate 100 students in the first year.

This is the first DIY Bio lab in India, students will have access to mentoring from Scientists and Experts, access to investors via RiiDL, a chance to become a part of global discussion biologist group.

Applications for the bio-incubator are accepted year round. A screening committee evaluates the applications on several criteria—technical merit, proof of expertise, economic viability, funding and compatibility with the incubator. Selected start-ups are provided lab and office space, high-end equipment, scale-up facilities, technical support and centralised utilities for process development to help the innovators mature their ideas and attain commercialization

The first Bio-entrepreneurship Incubation Program by BioRiiDL announced in May 2017, received 33 applications from across India including Delhi, Chennai, Hyderabad, Kolkata, Bhopal and Mumbai. 12 Teams formed from these applications participated in a pitch competition. From these 12

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opportunity to interact with mentors. These mentors helped them to formulate their idea realistically.

The winner's will be incubated at **BioRiiDL** Labs for next 6 months.

Five shortlisted start-ups were given 7 minutes each to present their ideas to a panel of biotech experts and investors to win funding and further access to the BioRiiDL Labs. After their pitch, the start-ups had to answer questions raised by the biotech experts and investors present.

Supported by funding from Somaiya Vidyavihar,

The first prize was won by Team INDRA

Name of the Founders – Krunal Patel, and Amrit Om Nayak
College/ Institute Name – K.J.Somaiya College of Engineering, Thiagarajar College of Engineering
Department – Mechanical
Post Graduation – University Of Washington, University of Washington
Name of the start-up – INDRA (Water recycling with monitoring & analytics)

Short Description – Indra provides onsite wastewater recycling & reuse backed by Industry first smart data monitoring and analytics platform. Their patent pending design is compact, scalable, cost-effective and measurable. It is capable of

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pathogens and other toxic pollutants. Applications range from waste water recycling at commercial & domestic facilities to treatment and reuse of industrial process water.

Impact on the society – Increasing water scarcity and higher water costs make it mandatory for all facilities to implement water management provisions, and by implementing this solution, people and businesses would not only be saving water but would also have monetary benefits.

2nd Prize winners

Name of the Founders – Dipeshsingh Rajpurohit and Bhavik Mehta
College/ Institute Name –VIT University,Vellore and Chetna institute,Bandra
Department – Biotechnology
Name of the start-up – Jalparivartan – Jalparivartan Transforming Water recycling

Description: Developing a novel microbial consortium and immobilized enzymes for Waste water treatment

Rapid industrialization and urbanization over the past many decades has resulted in contamination of all the components of the environment that is the air, the food, the soils and most importantly water. Every day about 62000 Million liters of sewage gets generated of which only about 20000 million liters gets treated. Even out of this, almost 40% is not treated up to

deal with if not taken care of now. The miniscule amount of sewage treatment at present suggests a large gap to be filled in. One of the major reasons for this is the inefficiency of the treatment plants in achieving the desired quality of water as suggested by the **Pollution control board** (PCB).These Sewage treatment plants are not up to the mark in treating the complex sewage generated across the country.
Bio augmentation is generally an option of choice to achieve the desired quality. Now, what is bio augmentation? It is the addition of pollutant-degrading microorganisms to augment the biodegradative capacity of indigenous microbial populations. However, bio augmentation to be successful requires a careful screening and optimization to attain a perfect mix of strains that help achieve the desired quality. While there are few players in the market who offer microbial consortia hardly there are any companies offering enzymatic solutions.
Jalparivartan aims to provide an innovative bio solution consisting of screened microbial strains with high degradation capacity coupled with a strong blend of enzymes immobilized in a very specific design helping achieve the desired level of waste water treatment in a most cost effective way.

3rd Prize winner – It was a tie between 2 teams, please find the team details below.

Name of the Founders – Sulakshana and Khushbu
College/ Institute Name – KJ Somaiya college of Science and Commerce and JNTU Hyderabad

Short description: NutriBread is diabetic friendly bread which contains non diabetic ingredients and can be helpful in reducing sugar level in blood. It also has sprinklers which is an anti-diabetic in nature that improves the taste and maintains the sugar level.

And

Name of the Founders – Jalak Rawal and Param Rawal
College/ Institute Name – Mumbai University and Bhagubai College
Department – Biomedical Engineering and Diploma in Computer Science
Name of the start-up: Fally – future of healthy eating

Short description:- Fally is modernized app which suggest you everyday food recipe and meals as per your body type it also helps you in grocery shopping and ordering healthy foods.

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Huawei Telecommunications India reiterates its CSR focus; equips the Government

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Medicine, Tambaram Sanatorium, Chennai with critical lifesaving infrastructure facilities

By HT Team

Posted on July 12, 2017

- *Supports infrastructure facilities with a battery operated patient carts, oxygen lines among other installations*
- *Better facilities expected to benefit over 2,00,000 patients annually*
- *Under its larger CSR campaign, DAKSHA, this initiative reiterates Huawei India as a responsible corporate citizen enriching lives of people in the community it operates in*

Huawei Telecommunications India, a global leader in **ICT solutions** and a responsible corporate citizen, made a contribution of lifesaving infrastructural equipment to the Government Hospital of Thoracic Medicine, Tambaram sanatorium, Chennai. The contribution intends to boost the hospital's operational needs and also ensure maintenance of the lifesaving installed equipment for a one year period that will potentially benefit an average of 1100 patients per day.

contributing to the countries and communities where it operates, Huawei India will equip the hospital with battery operated patient carts, oxygen lines with flow meters, Bore well and a RO plant to promote the highest level of medical care and rehabilitation for patients with pulmonary disabilities.

Jay Chen, CEO, Huawei Telecommunications India said, 'Bridging the Digital Divide' and 'Contributing to Society' are pillars for Huawei's CSR program in India, with a strong emphasis on education and community development. In these respects, the recent contributions to the **Government Hospital of Thoracic Medicine, Chennai** serves as a prime example of how we proactively engage with our stakeholders, whether they're customers or the community at large. We hope that the enhancement of infrastructure will make a key difference in ensuring better healthcare for patients."

Mr. Chandan Kumar, Director, Marketing and Corporate Affairs said, "Quality Healthcare is the backbone of an empowered society we are committed towards building a safe, hygienic environment for the welfare of the community. We firmly believe that organizations need to align their corporate

contribution at the Government Hospital of Thoracic Medicine is in line with this vision"

Huawei's donation of the battery operated patient cart will be useful for shifting the patients from the hospital OPD to their admission wards safely and comfortably. Moreover the vehicle supports the environment by being pollution free. Huawei will also be provisioning for continuous uninterrupted supply of oxygen to the hospital wards for critical care patients and cater to emergency cases. The oxygen lines will be fitted with flow meters to regulate the supply of Oxygen to the individual patients. Meanwhile, the provision of bore well and RO plant will ensure continued supply of protected drinking water for out and in patients as well as their attendants.

Huawei is a proud member of the **UN Global Compact** and is committed to fulfilling its responsibilities as a good corporate citizen. The company is actively involved in trying to promote equal access to telecommunications and in helping to bridge the 'Digital Divide' between developing and developed nations. In addition to Huawei's initiative in Chennai, an addition to Huawei India's ongoing efforts through its CSR campaign DAKSHA which supports over 100,000 underprivileged children through various education and child welfare initiatives such as Mid-Day meals, school digitalisation among others in India. The company's community development program led by the R&D center in Bangalore has initiated school sanitation projects in local government schools, setting up innovation labs

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RELATED ITEMS: BRIDGING THE DIGITAL DIVIDE, CONTRIBUTING TO SOCIETY, HUAWEI TELECOMMUNICATIONS INDIA, ICT, MR. CHANDAN KUMAR, QUALITY HEALTHCARE, THORACIC MEDICINE, UN GLOBAL COMPACT

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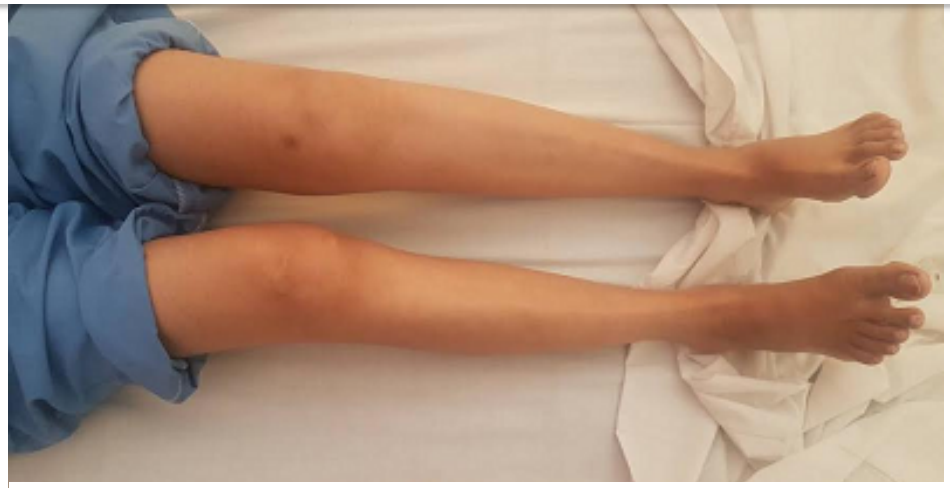
Suffering from Ankylosing Spondylitis, 32yr old lady successfully undergoes Bilateral Total Knee Replacement surgery

By HT Team

Posted on July 11, 2017

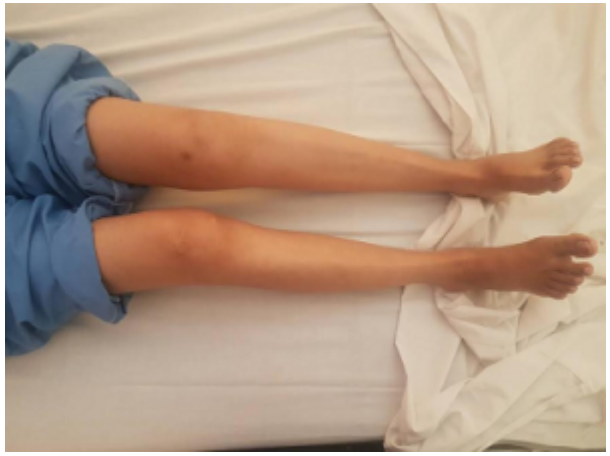


~ Marks world's 1st successful Bilateral Total knee replacement (TKR) on a patient suffering from Ankylosing Spondylitis – a condition that primarily impacts the hips and spine ~

~ Surgery conducted by Dr Rajesh Badiyani, Joint Replacement Surgeon and Dr Ramesh Kumar Tikare, Anesthesiologist Fortis Hiranandani Hospital Vashi-A Fortis Network Hospital ~

A 32yr old privately employed young lady from Uran was suffering from bilateral Knee Osteoarthritis secondary to Ankylosing Spondylitis. Dr Badiyani explains, "There are two types of Osteoarthritis one which is due to age, known as Primary Osteoarthritis, which is more common in patients

from **Rheumatoid Arthritis**, Ankylosing Spondylitis and also Gout, in this particular case, the patient's knees had developed Osteoarthritis secondary to Ankylosing Spondylitis, which had progressed in the past 3yrs, because of which her knee movements were getting restricted day by day. Highlight of this case, which makes it rare, is that Ankylosing Spondylitis usually affects the spine and hip but in this case, her both knees were affected and eventually she developed Tri-compartmental Osteoarthritis".



Ankylosing Spondylitis is a form of arthritis that leads to chronic swelling of the spine and the sacroiliac joints(located at the bottom of the spine). In such cases, the hips and spine are severely impacted, knees haven't been reported to have been impacted, yet. The patient had consulted multiple doctors to seek relief from pain, finally, upon consulting Dr Rajesh Badiyani, Sr. Joint Replacement & Orthopaedic Surgeon, Hiranandani Hospital Vashi – A **Fortis Network Hospital**, she consented for Bilateral Total Knee Replacement(TKR). Wherein the worn surface of the arthritic knee joint would be replaced with artificial metal and plastic

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tissue preserving technique which helped the patient recover faster. This surgical procedure was conducted successfully on a 32yr old young female for the 1st time in India; so far it's the world youngest lady to have undergone this surgery.

The patient's history revealed that she suffered severe restrictions with movements at both the knee joints and had difficulty in going about normal day to day activities. Her range of movement at both knees was 10 – 70 degree, due to intolerable pain while making knee movements. She was unable to walk and stand for more than 10mins at a stretch. The young lady was having symptoms of pain and stiffness, bone fusion (over growth of the bones) and pain in ligaments and tendons. Rarity of the case is that Bilateral TKR is recommended for patients above 50yrs, however in this is case the patient underwent Bilateral TKR at the age of 32yrs!

Speaking about the surgery, Dr. Rajesh Badiyani, said "This is the 1st of its kind surgery probably in the world wherein a young lady of 32yrs underwent Bilateral TKR for Ankylosing Spondylosis. She was suffering from **Knee Osteoarthritis secondary** to Ankylosing Spondylitis, since years and in future she would have lost movement due to gradual loss of elasticity of the muscles and soft tissue. The only way to save her knees was through this surgery. Our patient is recovering and is able to walk now. She has been advised to undergo physiotherapy and she is back to her routine life and work".

0 0

RELATED ITEMS: ANKYLOSING SPONDYLITIS, BILATERAL TOTAL KNEE REPLACEMENT SURGERY, DR RAJESH BADIYANI, FORTIS HOSPITAL, OSTEOARTHRITIS SECONDARY, SR. JOINT REPLACEMENT & ORTHOPAEDIC SURGEON AND DR RAMESH KUMAR TIKARE

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Ministry of Health signs MoU with Government of West Bengal to set up Centre of Excellence in Transfusion Medicine

By HT Team

Posted on July 11, 2017

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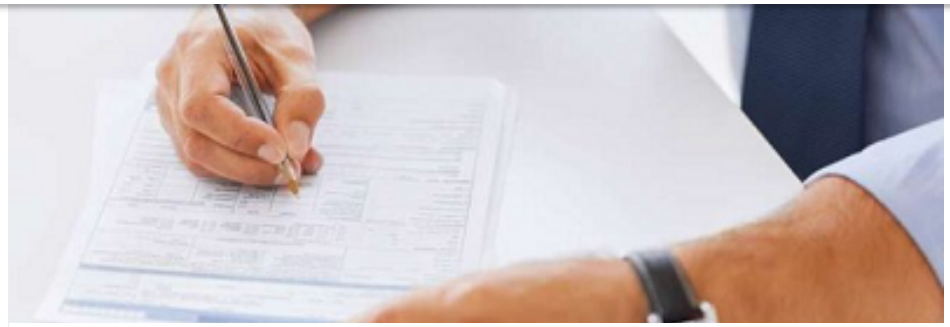

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Ministry of Health and Family Welfare signed a memorandum of understanding (**MoU**) with Government of West Bengal to formalize its support to set up a state-of-the-art Centre of Excellence in Transfusion Medicine at Kolkata, here today. Government of India has approved this important initiative with an outlay of approximately Rs.200 Crores towards equipment, manpower and running costs. The land for this initiative will be provided free of cost by the State government. The move intends to strengthen the blood transfusion services in the State and the surrounding region. R K Vats, Additional Secretary (Health) and Anil Verma, **Principal Secretary Health**, Government of West Bengal signed the MoU on behalf of their respective Ministries.

Metro Blood Bank Project is conceived to be a Central Sector Scheme of the Ministry of Health and Family Welfare to set up

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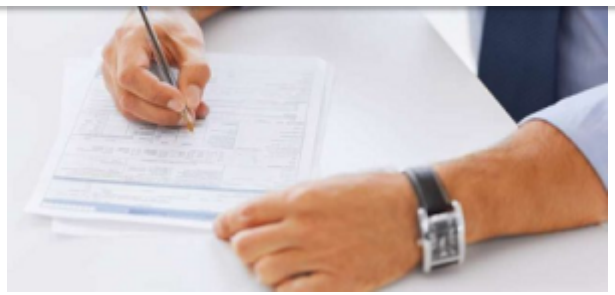

Excellence in transfusion medicine in the four metro cities of Delhi, Mumbai, Chennai and Kolkata. These centres are high volume blood collection centres where there is state-of-the-art technology in transfusion medicine for component separation, processing of blood and quality systems. Facilities for screening of collected blood by NAT would be made available at these centres and also extended to the other blood banks of the State.

Approval of Union Minister of Health and Family Welfare has been accorded for the first phase, wherein these facilities are to come up in Chennai and Kolkata. National Blood Transfusion Council under **National AIDS Control Organization** will be the implementing division of the Ministry for this project. The MoU for setting up the Metro Blood Bank in Chennai has already been signed on 14th June 2016.

India collects near about 11 million blood units every year. Nearly 71% of these blood donations are collected through voluntary non-remunerated donors. A recently concluded assessment of licensed Blood Banks of India revealed that the average blood donation rate in India is 0.8, which is lower than many high income countries leading to a shortfall in quantum and access to safe blood in select hard-to-reach areas of the

one beneficiary through separation into red cells, plasma, platelets.

RELATED ITEMS: ANIL VERMA, GOVERNMENT OF WEST BENGAL, METRO BLOOD BANK, NATIONAL AIDS CONTROL ORGANIZATION, PRINCIPAL SECRETARY HEALTH, R K VATS

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