



# FALL Family

August 2025



**Reliable Healing  
Starts Here**



AFFORDABLE MEDICINES AND  
RELIABLE IMPLANTS FOR TREATMENT

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Chain of Pharmacies across India,  
Including premium Institutes.

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Discounts upto 50% on Life saving drugs,  
Implants & Medical supplies

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From cancer medication to  
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**AMRIT**

— A GOVT. OF INDIA INITIATIVE —

By HLL Lifecare Ltd. (A Govt. of India Enterprise) Corporate & Regd. Office  
HLL Bhavan, Poojappura, Thiruvananthapuram - 695012, Kerala, India

# HLL Family

JANUARY 2025

CONTENT



08



10



12



14



18



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HLL, at 60, is not just about the legacy or the healthcare revolutions we have led in the past; it is also a vision for tomorrow's health.

Major breakthroughs in the past, such as leading national family planning programme, market interventions in the diagnostic sector, making medical retail affordable for critical illnesses, and programmes like THINKAL, show that even small steps in communities can make a meaningful difference in the country.

Moving forward, we have big plans ahead, entering new arenas like mental health, nutrition, and many others that are taking final shape in our journey. Alongside these growth plans, we are also focusing on equipping ourselves to be on par with the best such as addressing gaps in human resources, strengthening our manufacturing capabilities, and upgrading our infrastructure and technology.

I am grateful to all the members of HLL family for their dedication and commitment. The future of health is something we are moving into together, carefully, thoughtfully, and with an open mind to what is needed next.

I encourage each one of you to share ideas and take initiatives that create real value for the people we serve.

We hope you find this issue of 'HLL Family' informative and engaging. Happy reading!

With appreciation,

**Dr. Anitha Thampi**

Chairperson & Managing  
Director

# FLASH NEWS

FLASH NEWS (August to December 2025)  
– HLL paid one of the highest dividends to Government of India; AMRIT celebrated its 10th year in Delhi and HLL marked its presence at FIGO and MEDICA. Detailed coverage will follow in the next issue.



# Roots of Care, Wings of Change

Ongoing CSR Initiatives enabled by HLL





**HLL's ongoing CSR programme focuses on improving healthcare, education, the environment, perseverance of cultural heritage and the overall well-being of communities.**

Since 1966, HLL has been actively engaged in corporate social responsibility. Its efforts including village adoptions, school and hospital upgrades, scholarship programmes like Pratheeksha, and sustainability initiatives such as My City have been recognised as a model among public sector undertakings.

HLL's ongoing CSR programme focuses on improving healthcare, education, the environment, perseverance of cultural heritage and the overall well-being of communities.

Project THINKAL, one of HLL's pioneering CSR initiatives, was among the first to introduce menstrual cups in India, starting with government-supported efforts during the Kerala floods. The project provides a sustainable and cost-effective solution for menstrual health, promoting dignity across communities and age groups. So far, Project THINKAL has distributed 10.5 lakh menstrual cups and continues to set benchmarks in social, economic, and environmental responsibility.

Some of its ongoing initiatives include:

#### **PROJECT THINKAL**

##### **1. Women in Red-Light Areas, Maharashtra**

Implemented by HMA, Project

THINKAL promotes menstrual health and dignity for women in the red-light districts of Pune, Sangli, and Mumbai. It addresses barriers to safe menstrual management caused by economic marginalization, social stigma, and limited health education. The project provides a sustainable solution by distributing menstrual cups and conducting awareness sessions to break taboos and equip women with knowledge.

##### **2. Adolescent Girls, Malappuram**

This initiative, also implemented by HMA, focuses on improving menstrual health for adolescent girls in Malappuram, Kerala. Along with distribution, it provides education and awareness sessions to break taboos and support young girls to manage their menstrual health confidently.

##### **3. Cotton Hill School, Thiruvananthapuram**

Project THINKAL was also carried out at Cotton Hill School, one of Asia's largest girls' schools. The initiative reached 500 students, promoting safe and sustainable menstrual hygiene practices. In collaboration with school authorities, it provided awareness sessions and distributed menstrual cups to break stigma, build confidence, and support eco-friendly

menstrual management.

While Project THINKAL focuses on menstrual health, HLL's CSR portfolio extends across multiple areas to support education, culture, mental health, and community development. Some of the other initiatives include:

##### **4. Collector's Super 100 Programme**

This educational initiative, supported by HLL and implemented by Kanal Innovations Charitable Trust, focuses on the empowerment of 100 girl students among the tribal and coastal communities in Thiruvananthapuram. The programme aims to make STEM subjects engaging, bridge the aspiration gap, and strengthen academic performance to equip students to pursue higher education in professional fields.

##### **5. Community-based Psycho-Social Programme for Tribal and Coastal Communities in Kerala**

Implemented by the Mehac Foundation with CSR support from HLL, this programme delivers mental health and psychosocial care to vulnerable populations. It offers free psychiatric care, counselling, caregiver support, and skill-building opportunities, with special emphasis on women's mental health and economic empowerment.

## 6. Autism Screening, Assessment and Parent-Mediated Intervention in Thiruvananthapuram

This project addresses the need for early detection and intervention for children with Autism Spectrum Disorder (ASD). It focuses on training health professionals to conduct screenings and employs a parent-mediated intervention model to empower parents as primary therapists, improving long-term outcomes for children.



## 7. Developing Toxic-Free, Plastic-Free Sustainable Sanitary Solutions in Thrissur

This initiative focuses on creating eco-friendly menstrual solutions for tribal women and girls while providing livelihood opportunities for rural women and traditional weavers. It introduces practical, washable, and leak-proof cloth pads as a sustainable alternative, reducing plastic waste and promoting reusable products.



### 8. Construction of Yoga Hall and Classroom

With CSR funding from HLL, this project at Vivekananda Vidya Mandiram in Cheemeni, Kasaragod District, built a dedicated yoga hall and an additional classroom. The aim has been to promote physical well-being, mindfulness, and an improved learning environment for students.



### 9. Facility Enhancement at Sreelakshmi Balikasadanam

Implemented by Annapoorneswari Charitable Trust with HLL support, this project created a dedicated space for study, yoga, and physical activities for resident girls. The enhancement provides a safe and supportive environment for academic enrichment and holistic development.



### 10. Theatre Show Commemorating the 300th Birth Anniversary of Devi Ahilyabai Holkar

HLL supported a theatre performance titled "Rashtramartha - Devi Ahilya Ki Punyagatha" at the Birla Auditorium in Jaipur. The event commemorated the legacy of Ahilyabai Holkar, highlighting her contributions to nation-building, public works, and the preservation of India's cultural heritage through discussions and cultural performances.

Through these diverse efforts, HLL continues its long-standing commitment to creating a tangible, positive impact in communities across India.





# HLL marks World Blood Donor Day 2025

## Emphasizes role as Nation's leading Blood Bag manufacturer

**A**s part of its ongoing Diamond Jubilee initiatives, HLL observed World Blood Donor Day with a major blood donation camp at its Akkulam Factory on 14 June 2025. This event, organised in association with the Blood Bank of Thiruvananthapuram Medical College, was designed to raise awareness about voluntary blood donation and ensure the availability of safe blood.

The event was inaugurated by Shri V. Kuttappan Pillai, Senior Vice President (Technical & Operations). Dr. Sasikala, Head, Department of Transfusion Medicine, Thiruvananthapuram Medical College, led an informative session on the health and social aspects of blood donation. The camp welcomed nearly 100 donors, including staff, stakeholders, and volunteers.

With an annual production capacity of 1.25 crore (12.5 million) blood bags, HLL holds a dominant 35 percent share of the Indian market.

Manufactured at its ISO-certified Akkulam facility, HLL's blood bag systems, including single, double, triple, and quadruple configurations, meet international standards. These products are crucial to national health programmes such as the National AIDS Control Organisation (NACO) and the Kerala State AIDS Control Society (KSACS).

HLL also exports its blood bags to over 25 countries. Since the early 1990s, HLL has played a pivotal role in strengthening India's blood transfusion services.





# Taking advanced healthcare to tribal communities

## Advanced CT Scan Centre open at Kottathara Tribal Hospital

As part of its continued endeavour to take quality healthcare to underserved and tribal communities, a state-of-the-art CT scan centre has been launched at the Kottathara Government Tribal Speciality Hospital, a collaborative effort with HLL. The centre is equipped with a 16-slice CT scan machine. HLL has been providing the necessary staff and technical support for the operation of this facility. In addition to CT scan, ultrasound scan services are also available at the hospital.

The centre operate 24X7, offering CT scan services at an affordable rate. The service is also available to

patients from outside the hospital. Further, patients under the 'Arogya Kiranam' scheme will receive scanning services free of cost.

Until now, due to the high costs at private hospitals, local residents had to rely on the Thrissur Medical College Hospital or the Palakkad District Hospital for CT scans. Those living near Tamil Nadu border often had to travel as far as Coimbatore. With the opening of this new CT scan centre, residents will no longer have to endure hours of travel and pay huge sums for diagnostic services.





# Honouring Menstrual Revolution **THINKAL** Project receives prestigious FE Silver Award

**H**LL Management Academy (HMA) has been honoured with the prestigious FE Silver Award for its 'THINKAL Project' in the 'Social Impact in Healthcare' category. The award, presented by The Financial Express, recognized the project's success in promoting sustainable and inclusive healthcare, aligning with both the Sustainable Development Goals (SDGs) and the 'Viksit Bharat' Goals.

The award was accepted at the FE Healthcare Summit & Awards 2025 in New Delhi by Shri Shamnad, DVP & Division Head, HMA. Dr. Krishna S H, Manager (Public Health Project); Smt Padmasruthy S, DM (Finance); and Smt Arathy Vinod, Project Coordinator were also present during the occasion.

Speaking on the achievement, Shri V. Kuttappan Pillai, SVP (T&O), stated that the award reinforces HLL's dedication

to making a tangible difference in the communities it serves and strengthens its commitment to Corporate Social Responsibility (CSR) initiatives.

The 'THINKAL Project' focuses on the distribution of menstrual cups to underprivileged communities across the country. By promoting menstrual cups as a sustainable and eco-friendly alternative to disposable products like sanitary pads and tampons, the project has been changing lives and contributing to environmental health.

Since its launch during the 2018 Kerala floods in Alappuzha municipality, the project has made significant strides. These efforts have also led to the declaration of two napkin-free villages in Kerala: Kumbalangi panchayat in Ernakulam and Kallikkad panchayat in Thiruvananthapuram.

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# Bridging Health

## India and Maldives Partner through HLL

India and the Maldives are strengthening their healthcare ties through a strategic partnership with HLL, ensuring the supply of essential medicines to support the Maldivian population.

Under this initiative, the State Trading Organization Plc (STO), a Government of Maldives enterprise responsible for importing and distributing essential goods, has signed an agreement with HLL. This comes under India's Pradhan Mantri Bhartiya Janaushadhi Pariyojana (PMBJP), a government programme that provides affordable, high-quality medicines to the public. The partnership ensures that essential medicines are available consistently and affordably across Maldives.



The Maldivian health system has faced challenges with stock-outs of critical medicines in recent years, affecting patient care and putting pressure on Aasandha, the national health insurance scheme. While emergency imports temporarily restored availability, long-term solutions were needed. This agreement with HLL provides a sustainable supply, turning short-term relief into continuous healthcare support.

HLL's track record as a reliable partner is well established. During the COVID-19 pandemic, it supplied critical medicines and medical equipment to the Maldives quickly and efficiently. This history of collaboration gives STO confidence in HLL's ability to meet current and future healthcare needs.

By leveraging HLL's extensive retail network, which offers over 2,000 quality-assured generic medicines and 300 surgical items, the Maldives gain access to one of the world's most efficient pharmaceutical supply chains, ensuring uninterrupted healthcare for its citizens.



# HLL Opticals to Expand Reach

## New Centre at Kalamassery Medical College

**A**s part of its ongoing Diamond Jubilee initiatives, HLL has expanded its retail footprint with the launch of a new HLL Opticals centre at Kalamassery Medical College. This new centre is a significant step in the company's commitment to providing affordable and quality eye care to the community.

Launched in 2011 at the Regional Institute of Ophthalmology (RIO) in Thiruvananthapuram, HLL Opticals is now in its fifteenth year of service. The division has steadily grown its presence, with centres already operating at major institutions, including Kannur District Hospital, Kozhikode, Alappuzha, and Thrissur Medical Colleges, as well as Wayanad's Vythiri Taluk Hospital. These centres have become trusted destinations for thousands of people seeking reliable and affordable optical products.

In an age where digital screens have made eyeglasses an essential item,

HLL Opticals addresses a critical need. HLL Opticals offer a wide variety of products priced up to 40% below the market rate. A full range of frames and lenses, from basic options starting at Rs 160 to premium choices up to Rs 15,000, is available at the centre. The selection includes lenses from leading manufacturers in Italy, France, Japan, Switzerland, and China. For the fashion-conscious, the centre also provide the latest frame designs, along with advanced lenses such as ultra-thin, anti-reflection, and Varilux. Each HLL Opticals centre is staffed with experienced professionals and technicians who guide customers in selecting the most suitable glasses and lenses.

HLL Opticals operated by the Retail Business Division, makes high quality eye care accessible and affordable, a key part of HLL's larger commitment to public health.





# Expanding access to affordable medicines and implants

**AMRIT Pharmacies open at ISRO Centres in Kerala**



# विक्रम साराभाई अन्तरिक्ष केन्द्र VIKRAM SARABHAI SPACE CENTRE



**H**LL has opened AMRIT Pharmacies at three Indian Space Research Organisation (ISRO) centres in Kerala-Valiamala, Vattiyoorkavu, Thumba and Aluva. These pharmacies aim to make medicines and medical supplies more affordable and accessible for ISRO employees and their families. This expansion is part of HLL's Diamond Jubilee initiatives, marking 60 years of service in the healthcare sector.

The AMRIT Pharmacy at ISRO's Liquid Propulsion Systems Centre (LPSC) in Valiamala was inaugurated by Shri R Hutton, LPSC Associate Director. The outlets at Vattiyoorkavu and Thumba were inaugurated by Shri Padmakumar E S, Director of

ISRO's Inertial Systems Unit, and Shri Unnikrishnan Nair, Director-Vikram Sarabhai Space Centre (VSSC), respectively.

Around 38,000 individuals, including ISRO staff, pensioners, and their families, are expected to benefit from these outlets. A credit facility has also been introduced, allowing ISRO employees to purchase medicines and products from any of HLL's retail outlets, including HLL Pharmacy & Surgicals, HLL Opticals, and AMRIT Pharmacies across Kerala.

AMRIT (Affordable Medicines and Reliable Implants for Treatment) Pharmacies were launched on 15 November 2015 at AIIMS, New Delhi, by Shri J. P. Nadda, Union Minister of

Health and Family Welfare. Now in its 10th year, the AMRIT network has grown to over 255 outlets across India.

The AMRIT chain offers a wide range of products, including specialised medicines for oncology and cardiology, stents, orthopaedic implants, medical disposables, and a variety of branded and generic drugs at discounts of up to 50% from MRP. AMRIT Pharmacies are also present at all AIIMS campuses and other Institutes of National Importance across the country. More than 6,500 drugs and medical products are available through the network. With 255 stores, AMRIT network has so far generated employment for 1,760 people.



# India is home to the world's largest Youth Population

# HLL Plays a Key Role

India is home to over 600 million people under the age of 25, making it one of the largest youth populations in the world. Ensuring access to family planning services for this demographic is crucial for balanced population growth and public health.

HLL has been a key contributor to India's family planning initiatives since its establishment in 1966. It manufactures a wide range of contraceptive products, including condoms, oral contraceptive pills, non-steroidal OCPs, emergency contraceptive pills, Copper-Ts, tubal rings, female condoms, and hormone-releasing intrauterine systems. HLL operates multiple manufacturing facilities across India, Peroorkada, Akkulam, Kakkannad, and Irapuram in Kerala, and Kanagala in Karnataka, supplying millions of contraceptives annually.

Through its products and distribution network, HLL participates actively in several government schemes ensuring affordable and accessible reproductive healthcare for all sections of society. HLL's outreach is further strengthened by its NGO- Hindustan Latex Family Planning Promotion Trust (HLFPPT), which implements awareness campaigns, community-level programmes, and capacity-building initiatives in both urban and rural areas.

By combining manufacturing, product innovation, and active field engagement, HLL has been playing a crucial role in enabling informed family planning choices, supporting responsible population management, and contributing to the health and wellbeing of India's youth.

# Transforming India's Primary Healthcare

## The Digital Health Revolution through Ayushman Arogya Mandirs



India's healthcare landscape is witnessing a silent yet powerful transformation. From the remotest sub-centres in rural hamlets to bustling urban primary health centres, a quiet digital revolution is taking shape one that promises accessible, affordable, and accountable healthcare for every citizen.

At the heart of this transformation lies the Ayushman Bharat Digital Mission (ABDM) and the rapidly expanding network of Ayushman Arogya Mandirs (AAMs) the twin pillars redefining the future of India's primary healthcare.

## The New Face of Primary Healthcare

As of early April 2025, more than 1.76 lakh Ayushman Arogya Mandirs had already been established across the nation. These centres, upgraded from traditional sub-centres and primary health centres, deliver a broad spectrum of comprehensive primary healthcare services under twelve service packages from maternal and child health to non-communicable disease screening and elderly care.

By June 30, 2025, this number had risen to an impressive 1,77,906 operational AAMs, according to the Ministry of Health and Family Welfare (MoHFW). This rapid expansion reflects the government's commitment to ensuring that quality healthcare is available right at people's doorsteps particularly in rural and semi-urban India, where healthcare accessibility has long been a challenge.

Each Ayushman Arogya Mandir functions not merely as a clinic, but as a community health hub, equipped with trained health personnel, diagnostic facilities, teleconsultation access, and digital health records. They bring together preventive, promotive, curative, palliative, and rehabilitative care in one integrated setting — bridging the long-standing gap between people and public health systems.

## Digital Backbone: Ayushman Bharat Digital Mission

Parallel to the physical expansion of AAMs, India's digital health backbone — the Ayushman Bharat Digital Mission (ABDM) — has been gaining remarkable

momentum.

By mid-2025, over 76 crore ABHA (Ayushman Bharat Health Account) IDs had been generated, linking millions of citizens, healthcare professionals, and facilities in a unified digital ecosystem. These digital health accounts ensure continuity of care, enabling individuals to securely access and share their medical records across hospitals, laboratories, and clinics - anytime, anywhere.

Imagine a world where a patient from Wayanad can consult a specialist in Delhi, share test results instantly, and receive prescriptions electronically - without paperwork or repeated visits. This is the power of the digital bridge that ABDM is building.

Moreover, by integrating with initiatives like e-Sanjeevani (telemedicine) and AB-PMJAY (insurance coverage), the digital mission is ensuring that healthcare in India becomes not just accessible but truly interconnected.

## Why This Transformation Matters

The journey from traditional health centres to digital, integrated wellness hubs is more than an infrastructural upgrade - it represents a paradigm shift in India's health philosophy.

Primary healthcare is the first point of contact for most citizens. Strengthening it means reducing the burden on tertiary hospitals, cutting healthcare costs, and ensuring early detection of diseases - particularly non-communicable conditions such as diabetes, hypertension, and cancer.

Digitisation, on the other hand, adds a layer of transparency, efficiency, and inclusivity. When every citizen has a digital health ID, healthcare becomes portable, traceable, and equitable. For doctors, it means better diagnosis; for patients, it means continuity and confidence.

The synergy between AAMs and ABDM is creating an ecosystem where technology meets compassion - where rural India is no longer left behind in the digital health journey.

## A Vision for the Future

As the network of Ayushman Arogya Mandirs expands and the digital health

grid deepens, the focus now shifts to quality, functionality, and community engagement.

The MoHFW has emphasized continuous monitoring of AAMs — ensuring that each centre is fully staffed, equipped, and capable of delivering all twelve service packages effectively.

For state and UT governments, the challenge — and the opportunity — lies in keeping these centres vibrant: training personnel, ensuring consistent supply chains, and encouraging citizens to use digital tools like ABHA IDs and teleconsultations.

In the long run, India's investment in digital primary health infrastructure is expected to yield exponential returns — healthier populations, reduced hospital load, and stronger resilience against health crises like pandemics.

## A Step Toward Universal Health Coverage

The story of Ayushman Arogya Mandirs and the Digital Health Mission is, at its core, a story of inclusion. It demonstrates how policy, technology, and human commitment can come together to make healthcare not a privilege, but a right.

From 1.77 lakh health centres to 76 crore digital health accounts, India is crafting a future where "Health for All" is not just a vision but a living, breathing reality.

The Ayushman Arogya Mandirs stand as beacons of hope proving that the path to a healthier India begins right at the grassroots, powered by the twin engines of digital innovation and primary health empowerment.

Healthy citizens make a healthy nation. And with every Ayushman Arogya Mandir that opens its doors, India takes one more confident step toward that promise.

## UPDATES CORPORATE HEAD OFFICE



Visit of Dr. Sanjay Behari, Director, Sree Chitra Tirunal Institute for Medical Sciences & Technology - 29 July 2025.



Prof. (Dr.) Adarsh Pal Vig and Smt. Neeta Boochra meet HLL's statutory auditors - 27 June 2025.



Shri Jaideep Kumar Mishra, ICAS, Additional Secretary & Financial Advisor, Ministry of Health & Family Welfare, Govt of India visited HLL. C&MD. Directors and other Senior Officers are seen - 21 May 2025.



Visit of Shri. Charles Callanan (Director, UNOPS), Shri. Jyoti Shankar Choudhary, IRS (Indian Partnership Advisor to UNOPS), and Shri. Vinod Mishra (UNOPS, Country Head) - 08 July 2025.



TOLIC Programme held at CHO 23 July 2025.

## UPDATES PEROORKADA FACTORY TRIVANDRUM



Shri Sethumadhavan delivering a session on 'Supervisory Development'-19 May 2025.



One Day Workshop on 'Emotional Intelligence' organised by HR Department, inaugurated by Smt LG Smitha, ED(O) & Unit Chief - 06 May 2025.



OL Familiarisation programme held - 22 May 2025.



'Hevea 2025' Quiz Competition organised by Able Eco Safe Forum & Swasthya Counselling Wellness Centre - 29 May 2025.



Hearing Test & Camp by Unique Safe Forum - 10 June 2025.



Refresher Training on OL Policy for Asst. Managers to SM Level -12 June 2025.



Talk on Lifestyle Diseases & Free Medical Camp by Yana Fertility Centre - 16 June 2025.



Anti-Narcotic Campaign-23 June 2025.



Bone Mineral Density (BMD) Screening Camp and Awareness Session organised by Unique Safe Forum in Association with Lelajani Ayur Care - 05 July 2025.



A Technical and Shop floor Training session for ETD Supervisors - 08 July 2025.



Session on "The Largest Ever Generation of Young People" delivered by Dr. Alexander Jacob, IPS (Director General of Police, Retd), organised by Ideal Safe Forum in association with Swasthya Counseling & Wellness Center - 11 July 2025.



Free Medical Camp organised by Unique Safe Forum, conducted by Santhigiri Hospital - 18 July 2025.



Cyber Awareness Talk by Shri Rajesh Manimala (Anti-Cyber Crime Specialist) organised by HR Department & Swasthya Counselling and Wellness Centre - 23 July 2025.



Training Programme on Quality Improvement (Kaizen) - 28 July 2025.

## UPDATES KANAGALA FACTORY BELGAUM



Shri Tom B Mathew, ED(0) & Unit Chief, KFB, distributing Special Prizes and Achievement Awards on the occasion of May Day - 01 May 2025.



Internal Auditor Course for ISO 9001:2015 and ISO 13485:2016 (Medical Device Quality Management System)



Inauguration of New Boiler Unit and Oxygen Park -11 June 2025. Shri. Rajesh Ramakrishnan, VP (HR & SP) i/c, Shri. Tom B. Mathew, GM (O) & UC, and other senior officers are also seen.



Presentation Skills Workshop - 23 June 2025.



Total Productive Maintenance (TPM) Training - 24 June 2025.



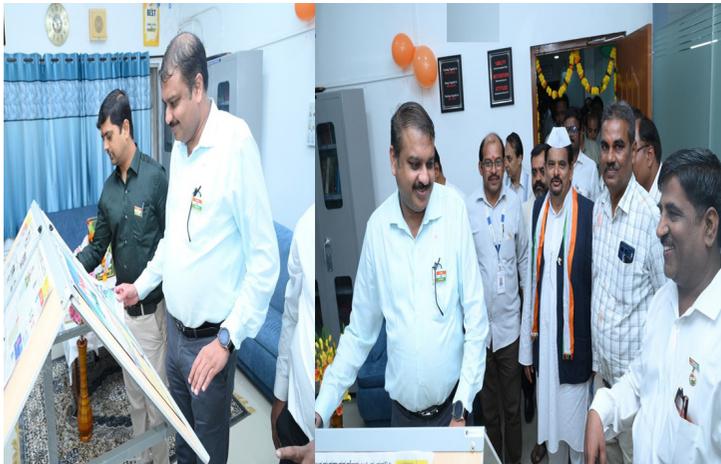
Firefighting training for employees to enhance safety awareness and promote a secure working environment at - 23 July 2025.



Basic cGMP training for Active Pharmaceutical Ingredients (API) to ensure compliance with regulatory standards -19 July 2025.



Training session on the Revised Schedule M (as per GSR 922(E)) for understanding and implementation of new pharmaceutical manufacturing standards - 19 July 2025.



A Renovated Reading room inaugurated to encourage learning and continuous development - 15 August 2025.



ISO Training sessions conducted to enhance employee understanding of quality standards and improve operational efficiency at KFB — 28 August 2025.



Training on the Importance of cGMP and GDP in the Pharmaceutical Industry held at KFB — 30 August 2025.

## UPDATES AKKULAM FACTORY TRIVANDRUM



Menstrual Hygiene Awareness Programme -28 May 2025.



NPS Awareness Class - 17 May 2025.



Pollution Control Board representatives visit- 24 May 2025.



Voluntary Blood Donation Camp organised as part of World Blood Donor Day -14 June 2025.



Dr. Rajasekaran (Med Supdt Gynecologist, SUT Hospital) provided a Health Talk on Tubal Rings & other Sterilization Techniques- 31 July 2025.



Dr. Salahudeen (Indian Institute of Emergency Medical Services) led a session on "First Aid" - 21 July 2025.



Shri Sethu Madhavan presented on Team Building & Leadership --- 28 July 2025.

## UPDATES CORPORATE R&D CENTRE



Institutional Animal Ethics Committee (IAEC) meeting and inspection at CRDC - 24 June 2025.



Session on Quality Management Systems and Laboratory Management Systems by Shri Venugopal S., GM, at CRDC - 20 June 2025.



Swareness session on PoSH Act by Adv. K.G. Rita, External Nominee Member - 05 July 2025.



Technical Talk on "Energy Transition in Oil & Gas Sector and possible Collaboration between HPCL & HLL" by Shri. S. Sriram, Head R&D Technology Development, HPCL Green R&D Centre, Bengaluru- 28 July 2025.



Induction and Orientation Programme for Newly Joined Research Interns & Graduate Engineering Trainee - 30 July 2025.

## UPDATES KAKKANAD FACTORY KOCHI



BLS Training Programme in association with Aster Medicity - 21 May 2025.



Anti-Drug Awareness Campaign at HSS Fort Kochi in collaboration with Kochi Municipal Corporation - 26 June



Dr. Roja Joseph (MBBS, MD, DNB, MRCP), Consultant Oncologist, Lakeshore Hospital, Kochi delivering a Cancer Awareness Session - 19 August 2025.



Shri. Sebastian Joseph, expert in industrial psychology and mental health delivering a session on "Stress Management & Team Building" - 07 August 2025.

## UPDATES IRAPURAM FACTORY KOCHI



BLS Training at IFC in association with Lake Shore Hospital, Kochi - 29 May 2025.



Voluntary Blood Donation Camp in association with IMA Cochin & Rubber Park - 13 June 2024.



Cancer Awareness Session - 14 August 2025.

## UPDATES RETAIL BUSINESS DIVISION (AMRIT)

### NEW OUTLETS



Inaugurated by Dr. (Prof) Sarvil Kumari, MS and Dean-cum-Principal, Bhagwan Mahavir Institute of Medical Sciences, at Pawapuri, Bihar - 06 May 2025.



At Northern Coalfields Limited (NCL BINA) opened by Shri Raj Kumar Singh, GM, NCL, -10 May 2025.



LPSC, Valiamala – Inaugurated by Shri R. Hutton, Associate Director -20 June 2025.



IISU, Vattiyoorkkavu –by Shri Padmakumar E.S., Director - 11 June 2025.



VSSC, Thumba – by Shri Unnikrishnan Nair, Director -16 June 2025.



At AIIMS DEOGHAR opened by Prof (Dr) Sourabh Varshney, Executive Director, AIIMS - 10 July 2025.



At Central Coalfield Limited (CCL) Dakra, Jharkhand, by Shri Dinesh Kumar Gupta, General Manager -CCL - 16 July 2025.



9th Outlet in Bhopal inaugurated by Shri Alok Sharma, MP, at BMHRC Hospital.



Agreement with AIIMS Bhubaneswar for the opening of Jan Aushadhi Kendra -19 May 2025. Prof. Ashutosh Biswas, Executive Director, Shri Abhijit Sarkar (DDA), and other officials are also seen.



Collaboration established with Assam Cancer Care Foundation (ACCF) to operate three AMRIT outlets under the Joint Venture between TATA Sons and the Government of Assam - 22 May 2025.



Partnership formalised with Central Institute of Psychiatry, Ranchi, Jharkhand for the opening of AMRIT - 17 July 2025.



Tie-up with Western Coalfields Ltd (WCL) for the establishment of three AMRIT Pharmacy outlets in the Nagpur region -17 July 2025.

**UPDATES HINDLABS**



Launch of 60th Dialysis Centre under the MAHADIALYSIS programme in Maharashtra, SDH Dharni, District Amravati.date?



CT Scan Services commenced at Govt Tribal Speciality Hospital, Atappadi, Palakkad - 18 June 2025.



State-wide awareness programme held on World Hepatitis Day 2025 -28 July 2025.



5-year pact forged with AIIMS Nagpur for providing diagnostic services (IPD and OPD) - 23 May 2025.

**UPDATES HLL PHARMACY**



Smt. Veena George, Minister of Health, Woman and Child Development of Government of Kerala inaugurating HLL Pharmacy at Konni Medical College, Pathanamthitta - 26 July 2025.

## UPDATES BHISHM CUBE



AIIMS Nagpur showcases BHISHM Cube.



Training on the correct usage of the Cube, held at AIIMS Gorakhpur, Deoghar, Kalyani and Raebareli in August 2025.

## UPDATES SUSTAINABILITY PROJECTS DIVISION



Prof. (Dr.) Adarsh Pal Vig, Independent Director, reviews 2025.



Shri. Pinarayi Vijayan, Hon'ble Chief Minister of Kerala launching Kerala's first ever Green Budget Report, by handing over it to Smt. Arya Rajendran, Mayor on 09 August 2025. Developed by HLL's Sustainable Projects Division, the report highlights budgets that promote actionable climate-friendly policies. (this can be part of main story – a separate column story)

WELCOME TO HLL FAMILY

CHO



Vimal Ravi  
DGM (SHI)



Ananthakrishnan S  
DM (F)



Ashwini Kumar Nath  
DM (F)



Ninan George  
DM (F)



Panchami P V  
DM (F)



Yadu U S  
DM (F)

PFT



Sujith R Nair  
Worker Trainee

AFT



Abhilash P K  
MG1



Arhu H  
MG1

KFB



Rahul Rajendran  
Manager

## CORPORATE LADDER

CHO



**Remesh P**  
Director (Finance)



**Latha Kumary S**  
Officer Grade 2



**Radhakrishnan S**  
MG6



**Sudhanshu Kumar Swain**  
MG4

PFT



**Raju KA**  
Officer 5



**Vijayakumar P**  
Officer 3



**Jobi S**  
Officer 2



**Sreena NS**  
Officer 2



**Sreevidya**  
Officer 2



**Anil Kumar D**  
Senior Grade 3



**Manju S**  
Senior Grade 3



**Sheena NS**  
Senior Grade 1



**Lekshmi KS**  
Senior Grade 1



**Jayan M**  
MG6



**Arun IS**  
MG5



**Rajesh S**  
MG5



**Fredy Joseph**  
MG4



**Aji Krishnan BS**  
MG4



**Sibi Soman**  
MG4



**Kiran Lal GS**  
MG4



**Pramod Kumar MP**  
MG4



**Vinodh D**  
MG4



Sudheesh S  
MG4



Abhilash Kumar P  
MG4



Ajitha R  
MG4



Keerthi Lal J  
MG4



Salini V  
MG4



Jinu Stephen  
MG4



Binu R  
MG4



Reeya RG  
MG4



Mahendra Dev M  
MG4



Abeesh S  
MG4



Syam Cyril  
MG4



Sreejith RG  
MG4



Krishna Prasad NR  
MG4



Asha Dev SV  
MG4



Santhosh Kumar PR  
MG4



Aneesh R  
MG4



Renjith RU  
MG4



Rajany R  
MG4



Vinaya RajV  
MG4



Anoop Benson  
MG4



Prasanth S  
MG4



Prakash RP  
MG4



Shiju N  
MG4



Shamnath N  
MG4



Praveen P Nair  
MG4



Sandhya MO  
MG4



Surjith MG  
MG3



Binu Joy  
MG4



Raheena Abdul Vaheed  
MG3



Jibin JP  
MG3



Vinod Kumar MS  
MG3



Ratheesh B  
MG3



Mahesh Kumar PM  
MG3



Harilal G Nath  
MG3



Biju G  
MG3



Deepak Santhosh  
MG3



Sukanya S  
MG3



Sujith MS  
MG3



Ratheesh R  
MG3



Bajju KR  
MG3



Rejin Raj BR  
MG3



Sajulal S  
MG3



Abin PG  
MG3



Hari B  
MG3



Sreelekha PS  
MG3



Renjumol KR  
MG3



Shareef K  
MG3



Ajithkumar M  
MG1

**AFT**



Reghuraman S  
O5



Sathasivam V  
O5



Sreedharan R  
O5



Nizar Ahammed K  
SG3



Sony Thomas  
SG2



Vipin Kumar VP  
SG2



Sabu T  
SG1



Jayakumaran Nayar A  
SG1



Binu S  
SG1



Nandu BG  
MG6



Beenamol C  
MG5



George S  
MG5



Madhusoodanan Nair S  
MG5



Midhun M G  
MG5



Navas M  
MG5



Ajimon S  
MG4



Anoop A  
MG4



Arun Raj R V  
MG4



Beiging B P  
MG4



Binu G  
MG4



Chithra Lekha O  
MG4



Dinu O P  
MG4



Jinoop K P  
MG4



Johny D P  
MG4



Manjusha U  
MG4



Praveen P Nair  
MG4



Praveen P  
MG4



Rahul SR  
MG4



Remesh R  
MG4



Renjith AR  
MG4



Renjith Raj R  
MG4



Rijin R G  
MG4



Vivek Kumar P  
MG4



Vinoj B M  
MG4



Vinod R L  
MG4



Vinayachandran Nair S  
MG4



Vijith V S  
MG4



Suresh Kumar SV  
MG4



Suchithra T R  
MG4



Sreejith G P  
MG4



Shibu R  
MG4



Sasikumari S  
MG4



Sarun Sankar S V  
MG4



Santhosh Kumar V  
MG4



Sandhya P R  
MG4



Sandhya M O  
MG4



Suresh Kumar L S  
MG4



Ignatious Roshan  
MG3



Manoj R  
MG3



Mukesh K M  
MG3



Nandakumar K G  
MG3



Raja P  
MG3



Reji V  
MG3



Robin T P  
MG3



Sanooj K T  
MG3



Sidhique H  
MG3



Vibin V N  
MG3



Akshay P  
JG3



S I Bastawade  
O4



Arun Chavan  
O4

**KFB**



S S Gadakari  
O4



M M Vaishnav  
O3



M D Sannaik  
MG4



**KFC**

Sumol Saraswathy  
GM (Operations) & Unit  
Chief (KFC & IFC)



**IFC**

Sony Thomas  
SG2



Vijil Raj M R  
MG3



Sheeba TV  
MG3



Prajesh A K  
MG3



Paulson C A  
MG3



Midhun Babu  
MG3



Dilen Vincent  
MG3



Ajith Rajan  
MG3

## RETIREMENT

**CHO**



Sreekumaran Nair V  
DVP (IT)



Prasad K R  
DM (PSD)



Sivanandan Nair A  
SG3 (RBD)

**PFT**



Radhakrishnan N K  
05



Chandra Babu N  
05



Jyothimoly G R  
05



Gangadharan Nair K P  
03



Anilkumar K S  
03



Renjith Kumar P  
02



Manikantan G  
02



Anila T G  
SG5

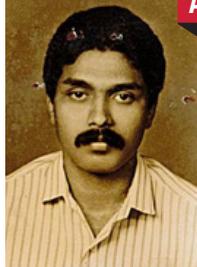


Santhosh Prabha P  
SG5

**AFT**



Jayakumar K V  
SG3



Nazeem S L  
SG2



Vijayakumar R  
05



Harikrishnan S  
03



Sydu Sulaiman J  
SG3



Otari M D  
JGM (i/c)

**KFB**



Salimani M R  
JGM (i/c)



Hedge G C  
DGM



Patel R I  
05



Patil P V  
03



Karimari U K  
SG5



Aski M H  
SG5



Dollinavar V S  
SG5



Chougule N P  
SG5



Sunagar B B  
SG5



Desurkar M S  
SG5



Kaggudi A B  
SG5



Dadannavar S S  
SG5



Patil M I  
SG5



Manjunath S R  
SG5



Asode P.L  
MG5



Kamble K M  
MG5



Hosamani M S  
MG4



S K Chavan  
05



M K Peerjade  
05



R D Kalungada  
SG-5



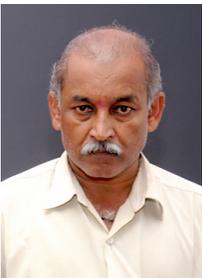
S M Khanappagol  
SG-3



K S Wathare  
SG-3



R A Pattar  
SG-1



VT Bhosale  
MG-5



S V Kori  
MG-4



M D Khanapuri  
MG-2



Balakrishnan V  
SG2

# Obituary

PFT



Sarath P T  
MG3

KFB



Hanumantharayappa  
03

KFB



Sajeesh P S  
MG3



लाखों के  
लिए राहत

- विश्वसनीय और किफायती निवारक स्वास्थ्य रक्षा सेवाएं
- प्रयोगशाला परीक्षणों का पूरा स्पेक्ट्रम (नियमित और विशेषता दोनों)
- 24 X 7 सेवा
- नवीनतम प्रयोगशाला उपकरण और तकनीक
- टेली रेडियोलॉजी सुविधा
- निःशुल्क नैदानिक कार्यक्रमों पर प्रतिस्पर्धात्मक लाभ सुनिश्चित करता है
- प्रमुख हवाई अड्डों पर कोविड परीक्षण/स्क्रीनिंग सुविधा

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हिंदलैब्स

नैदानिक केन्द्र

एचएलएल की एक पहल, भारत सरकार का उद्यम



# केरल के इसरो केंद्रों में अमृत फ़ार्मैसीज़, किफ़ायती दवाओं एवं इंप्लान्टों की उपलब्धता का विस्तार

एचएलएल ने केरल में स्थित भारतीय अंतरिक्ष अनुसंधान संगठन (इसरो) के तीन केंद्रों - वलियमला, वट्टियूरकाव, तुंबा और आलुवा - में अमृत फ़ार्मैसीज़ खोली हैं। इन फ़ार्मैसीज़ का उद्देश्य, इसरो के कर्मचारियों और उनके परिवारों को दवाइयाँ और चिकित्सा आपूर्तियाँ अधिक किफ़ायती और सुलभ बनाना है। यह विस्तार एचएलएल की हीरक जयंती पहल का हिस्सा है, जो स्वास्थ्य सेवा क्षेत्र में 60 वर्षों की सेवा रेखांकित करता है।

इसरो के द्रव नोदन प्रणाली केंद्र (एलपीएससी) वलियमला में अमृत फ़ार्मैसी का उद्घाटन एलपीएससी के सह निदेशक श्री आर हटन ने किया। वट्टियूरकावु और तुंबा में स्थित आउटलेटों का उद्घाटन क्रमशः इसरो की इनेशर्यल प्रणाली यूनिट के निदेशक श्री पद्मकुमार ई.एस और विक्रम साराभाई अंतरिक्ष केंद्र (वीएसएससी) के निदेशक श्री उष्णकृष्णन नायर द्वारा किया गया।

इसरो के कर्मचारियों, पेंशनर्स और उनके परिवार वालों सहित लगभग 38,000 व्यक्तियों को इन आउटलेटों से लाभ मिलने की उम्मीद है। इसरो ने एक क्रेडिट सुविधा भी शुरू की है, जिससे कर्मचारी केरल भर के एचएलएल फ़ार्मैसी एंड सर्जिकल्स, एचएलएल ऑटिकल्स और अमृत फ़ार्मैसीज़ सहित एचएलएल के

किसी भी रिटेल आउटलेट्स से दवाइयाँ और उत्पाद खरीद सकते हैं।

श्री जे. पी. नड्डा केंद्रीय स्वास्थ्य एवं परिवार कल्याण मंत्री द्वारा 15 नवंबर 2015 को एम्स, नई दिल्ली में अमृत (उपचार के लिए किफ़ायती दवाइयाँ और विश्वसनीय प्रत्यारोपण) फ़ार्मैसीज़ का उद्घाटन किया गया। अब इसके दसवें वर्ष में, अमृत नेटवर्क ने पूरे भारत में 240 से ज़्यादा आउटलेट्स खोला है।

अमृत चेइन उत्पादों की एक विस्तृत श्रृंखला प्रदान करती है, जिसमें ऑन्कोलॉजी और कार्डियोलॉजी के लिए विशेष दवाएँ, स्टैंट, ऑर्थोपेडिक इम्प्लांट, मेडिकल डिस्पोजेबल, और विभिन्न प्रकार की ब्रांडेड और जेनेरिक दवाएँ एमआरपी से 50% तक की छूट पर उपलब्ध हैं। अमृत फ़ार्मैसीज़ देश भर के सभी एम्स परिसरों और अन्य राष्ट्रीय महत्व के संस्थानों में भी संस्थापित हैं। इस नेटवर्क से 6,500 से अधिक दवाएँ और चिकित्सा उत्पाद उपलब्ध हैं। आज तक, 66.21 मिलियन मरीज लाभान्वित हुए हैं और एमआरपी पर वितरित दवाओं का कुल मूल्य ₹16,182.59 करोड़ है। इन उत्पादों का बिक्री मूल्य ₹8,005.06 है, जिससे मरीजों को रु. 7,975.91 करोड़ की बचत हुई है।

240 स्टोरों के साथ, अमृत नेटवर्क ने अब तक 1,760 लोगों को रोजगार दी है।



# पीजीआईएमईआर में प्रदर्शित एचएलएल समर्थित भीष्म क्यूब





आपातकालीन चिकित्सा तैयारी को बढ़ाने के लिए भारत की नई कोशिश 10 जून 2025 को चंडीगढ़ के स्नातकोत्तर चिकित्साशिक्षा एवं अनुसंधान संस्थान (पीजीआईएमईआर) में प्रदर्शित की गई। अधिकारियों ने भीष्म क्यूब दिखाया, जो एक पोर्टेबल मेडिकल रिस्पॉन्स यूनिट है जिसे आपदा वाले इलाकों में जान बचाने के लिए डिज़ाइन किया गया है।

आरोग्य मैत्री पहल के तहत पेश किया गया भीष्म क्यूब, देश की तैयारी और दुनिया भर में मानवीय कामों में भारत की बढ़ती भूमिका की ओर एक कदम है।

यह प्रदर्शन एचएलएल के नेतृत्व में राष्ट्रीय क्षमता निर्माण कार्यक्रम का एक हिस्सा था। पीजीआईएमईआर इस साल इस इवेंट का आयोजन करने वाला नौवां संस्था है।

एचएलएल के रक्षा फार्मा प्रभाग के परामर्शदाता, एयर वाइस मार्शल (सेवानिवृत्त) तन्मय रॉय ने इस इवेंट का नेतृत्व किया। डॉक्टरों, पैरामेडिक्स और आपातकाल में मदद करने वालों सहित 200 से ज्यादा लोगों ने यह प्रदर्शन देखा और प्रशिक्षण में भाग लिया।

मिस्टर रॉय ने कहा, “इस तरह का हर प्रदर्शन हमें यह पक्का करने में मदद करता है कि समय पर देखभाल की कमी के कारण किसी की जान न जाए।” भीष्म

क्यूब, तकनीकी और व्यावहारिक तत्परता दोनों के प्रति भारत की प्रतिबद्धता को दर्शाता है।”

भीष्म क्यूब एक ठोस, संयमी आपातकालीन चिकित्सा यूनिट है। इसका वजन 20 किलोग्राम से कम है और यह इतना छोटा है कि एक व्यक्ति इसे ले सकता है। क्यूब को हवा, जमीन, समुद्र या ड्रोन से त्वरित प्रविष्टारण करने के लिए डिज़ाइन किया गया है।

इसकी क्षमताओं में 200 तक घायलों को बुनियादी चिकित्सा देखभाल करना और एक दिन में 15 छोटी सर्जरी करना शामिल है। यह बिल्ट-इन पावर और ऑक्सीजन सिस्टम की वजह से अपने आप चालू होता है। क्यूब में आरएफआईडी तकनीकी के साथ रियल-टाइम इन्वेंट्री ट्रैकिंग और 180 से ज्यादा भाषाओं में अनुदेश वाला एक बहुभाषी ऐप जैसे स्मार्ट खूबियाँ भी हैं।

इस यूनिट को फील्ड में टेस्ट किया गया है और यह पानी, जंग और खराब मौसम से बचाता है। ये खूबियाँ इसे घरेलू आपदा से निपटने

और अंतरराष्ट्रीय राहत

प्रयासों, दोनों के लिए उपयुक्त बनाती हैं।

इस साल की शुरुआत में, भारत ने मानवीय सहायता के तहत यूक्रेन को चार भीष्म क्यूब्स दिए थे। मिस्टर रॉय सहित भारतीय चिकित्सा और तकनीकी विशेषज्ञों की एक टीम यूक्रेन गए थे ताकि स्थानीय रेस्पॉन्डर्स के लिए लाइव प्रदर्शन और प्रशिक्षण आयोजित कर सकें।

इस कार्यक्रम के ज़रिए 2,000 से ज्यादा स्वास्थ्य रक्षा पेशेवरों को प्रशिक्षण दी गई है, और आने वाले महीनों में अलग-अलग चिकित्सा संस्थानों में और प्रदर्शनों की योजना बनाई है। पीजीआईएमईआर में यह इवेंट आपातकालीन कर्मचारी के लिए व्यक्तिगत प्रशिक्षण सत्र के साथ समाप्त हुआ। यह भारत सरकार के भीष्म क्यूब को संस्थागत आपातकालीन प्रोटोकॉल का एक मानक हिस्सा बनाने की योजना का समर्थन करता है।

HLL HINDI



# एचएलएल ने विश्व रक्तदाता दिवस 2025 मनाया देश के अग्रणी ब्लड बैग विनिर्माता के रूप में अपनी भूमिका पर ज़ोर देता है

अपनी चल रही हीरक जयंती पहलों के हिस्से के तौर पर, एचएलएल ने 14 जून 2025 को अपनी आक्कुलम फैक्टरी में एक बड़े रक्तदान शिविर के साथ विश्व रक्तदाता दिवस मनाया। यह कार्यक्रम, तिरुवनंतपुरम मेडिकल कॉलेज के ब्लड बैंक के साथ मिलकर आयोजित किया गया था, जिसका मकसद स्वैच्छिक रक्तदान के बारे में जागरूकता बढ़ाना और सुरक्षित ब्लड की उपलब्धता सुनिश्चित करना था।

इस कार्यक्रम का उद्घाटन श्री वी. कुट्टप्पन पिल्लै, वरिष्ठ उपाध्यक्ष (तकनीकी एवं प्रचालन) ने किया। तिरुवनंतपुरम मेडिकल कॉलेज के ट्रांसप्यूज़न मेडिसिन विभाग का प्रधान, डॉ. शशिकला ने रक्तदान के स्वास्थ्य एवं सामाजिक पहलुओं पर जानकारी पूर्ण एक सत्र का संचालन किया। इस कैंप में स्टाफ, हितधारक और स्वयंसेवक सहित लगभग 100 दाताओं का भी भागीदारी हुई।

1.25 करोड़ (12.5 मिलियन) ब्लड बैग की वार्षिक उत्पादन क्षमता के साथ, एचएलएल को भारतीय विपणन में 35 प्रतिशत की हिस्सेदारी है।

एचएलएल के आईएसओ प्रमाणित आक्कुलम सुविधा में विनिर्मित ब्लड बैग सिस्टम, जिसमें सिंगल, डबल, ट्रिपल और क्वाड्रपल कॉन्फ़िगरेशन शामिल हैं, जो अंतर्राष्ट्रीय मानक को पूरा करते हैं। ये उत्पादें राष्ट्रीय एड्स नियंत्रण संगठन (नाको) और केरल राज्य एड्स नियंत्रण सोसाइटी (केएसएसीएस) जैसे राष्ट्रीय स्वास्थ्य कार्यक्रम के लिए बहुत ज़रूरी हैं।

एचएलएल अपने ब्लड बैग 25 से ज्यादा देशों में निर्यात भी करता है। 1990 के दशक की शुरुआत से, एचएलएल ने भारत की रक्त आधान सेवा को मज़बूत करने में अहम भूमिका निभाई है।

# भारत, दुनिया की सबसे बड़ी युवा आबादी का घर एचएलएल की महत्वपूर्ण भूमिका



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तिरुवनंतपुरम मेडिकल कॉलेज के ट्रांसफ्यूजन मेडिसिन विभाग का प्रधान, डॉ. शशिकला ने रक्तदान के स्वास्थ्य एवं सामाजिक पहलुओं पर जानकारी पूर्ण एक सत्र का संचालन किया। इस कैंप में स्टाफ, हितधारक और स्वयंसेवक सहित लगभग 100 दाताओं का भी भागीदारी हुई।

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सिंगल, डबल, ट्रिपल और क्वाड्रपल कॉन्फ़िगरेशन शामिल हैं, जो अंतर्राष्ट्रीय मानक को पूरा करते हैं। ये उत्पादें राष्ट्रीय एड्स नियंत्रण संगठन (नाको) और केरल राज्य एड्स नियंत्रण सोसाइटी (केएसएसीएस) जैसे राष्ट्रीय स्वास्थ्य कार्यक्रम के लिए बहुत ज़रूरी हैं।

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# ഐ.എസ്.ആർ.ഒയുടെ വിവിധ കേന്ദ്രങ്ങളിൽ അമൃത് ഫാർമസികൾ പ്രവർത്തനം ആരംഭിച്ചു

മതമായ നിരക്കിൽ ഗുണമേന്മയുള്ള മരുന്നുകളും മെഡിക്കൽ ഉപകരണങ്ങളും ലഭ്യമാക്കുന്നതിനായി ഐ.എസ്.ആർ.ഒയുടെ വിവിധ കേന്ദ്രങ്ങളിൽ എച്ച്എൽഎൽ അമൃത് ഫാർമസികൾ പ്രവർത്തനം ആരംഭിച്ചു. വലിയമല, വട്ടിയൂർക്കാവ്, തുമ്പ എന്നീ കേന്ദ്രങ്ങളിലാണ് മുൻപുതന്നെ അമൃത് ഫാർമസികൾ പ്രവർത്തനം ആരംഭിച്ചത്. ഐ.എസ്.ആർ.ഒ ജീവനക്കാർക്കും അവരുടെ കുടുംബാംഗങ്ങൾക്കും അമൃത് ഫാർമസിയുടെ പ്രയോജനം ലഭിക്കും. ഐ.എസ്.ആർ.ഒ. ജീവനക്കാർ, പെൻഷനേഴ്സ്, കുടുംബാംഗങ്ങൾ എന്നിവരുൾപ്പെടെ 38,000ത്തിലധികം ആളുകൾക്ക് അമൃത് ഫാർമസിയുടെ സേവനം ലഭ്യമാകും. എച്ച്എൽഎൽ വജ്രജൂബിലിയോടനുബന്ധിച്ചാണ് അമൃത് ഫാർമസികളുടെ ശൃംഖല വിപുലീകരിക്കുന്നത്. വലിയമലയിലെ ഐ.എസ്.ആർ.ഒയുടെ ലിക്വിഡ് പ്രൊപ്പർഷൻ സിസ്റ്റംസ് സെന്ററിലെ (എൽ.പി.എസ്.സി.) അമൃത് ഫാർമസിയുടെ ഉദ്ഘാടനം എൽ.പി.എസ്.സി. വലിയമല അസോസിയേറ്റ് ഡയറക്ടർ ആർ. ഹുട്ടൻ നിർവഹിച്ചു. വട്ടിയൂർക്കാവ് ഫാർമസിയുടെ ഉദ്ഘാടനം ഐ.എസ്.ആർ.ഒയുടെ ഇന്റേർഷ്യൽ സിസ്റ്റംസ് യൂണിറ്റ് ഡയറക്ടർ പത്മകുമാറും നിർവഹിച്ചു. തുമ്പയിലെ ഫാർമസിയുടെ ഉദ്ഘാടനം വിക്രം സാരദായ് സ്പേസ് സെന്റർ ഡയറക്ടർ ഉണ്ണികൃഷ്ണൻ നായരും നിർവഹിച്ചു. എച്ച്എൽഎൽ ഫാർമസി & സർജിക്കൽസ്, എച്ച്എൽഎൽ ഒപ്റ്റിക്കൽസ്, അമൃത് ഫാർമസികൾ എന്നിവ

യൂൾപ്പെടെയുള്ള എച്ച്എൽഎൽ കേരളത്തിലുടനീളമുള്ള റീട്ടെയിൽ ഔട്ട്ലെറ്റുകൾ വഴി ക്രെഡിറ്റ് രീതിയിൽ മരുന്നുകളും മറ്റു ഉപകരണങ്ങളും വാങ്ങുവാനുള്ള സൗകര്യവും എച്ച്എൽഎൽ ഐ.എസ്.ആർ.ഒ ജീവനക്കാർക്ക് വേണ്ടി ഒരുക്കിയിട്ടുണ്ട്. ആദ്യത്തെ അമൃത് ഫാർമസിയുടെ ഉദ്ഘാടനം 2015 നവംബർ 15ന് ന്യൂഡൽഹിയിലെ എയിംസിൽ വച്ച് കേന്ദ്ര ആരോഗ്യ കുടുംബക്ഷേമ മന്ത്രി ശ്രീ. ജെ. പി. നദ്രയാണ് നിർവഹിച്ചത്. ഇപ്പോൾ പത്താം വർഷത്തിലേക്ക് കടക്കുമ്പോൾ, അമൃത് ശൃംഖല 245ലധികം ഔട്ട്ലെറ്റുകളായി വളർന്ന് കഴിഞ്ഞിരിക്കുന്നു.

യൂൾപ്പെടെയുള്ള എച്ച്എൽഎൽ കേരളത്തിലുടനീളമുള്ള റീട്ടെയിൽ ഔട്ട്ലെറ്റുകൾ വഴി ക്രെഡിറ്റ് രീതിയിൽ മരുന്നുകളും മറ്റു ഉപകരണങ്ങളും വാങ്ങുവാനുള്ള സൗകര്യവും എച്ച്എൽഎൽ ഐ.എസ്.ആർ.ഒ ജീവനക്കാർക്ക് വേണ്ടി ഒരുക്കിയിട്ടുണ്ട്. ആദ്യത്തെ അമൃത് ഫാർമസിയുടെ ഉദ്ഘാടനം 2015 നവംബർ 15ന് ന്യൂഡൽഹിയിലെ എയിംസിൽ വച്ച് കേന്ദ്ര ആരോഗ്യ കുടുംബക്ഷേമ മന്ത്രി ശ്രീ. ജെ. പി. നദ്രയാണ് നിർവഹിച്ചത്. ഇപ്പോൾ പത്താം വർഷത്തിലേക്ക് കടക്കുമ്പോൾ, അമൃത് ശൃംഖല 245ലധികം ഔട്ട്ലെറ്റുകളായി വളർന്ന് കഴിഞ്ഞിരിക്കുന്നു.



# ആർത്തവ വിപ്ലവത്തിന് അംഗീകാരം 'തികൾ' പദ്ധതിക്ക് എഫ്.ഇ. സിൾവർ അവാർഡ്

'സോഷ്യൽ ഇംപാക്റ്റ് ഇൻ ഹെൽത്ത് കെയർ' എന്ന വിഭാഗത്തിൽ എച്ച്എൽ എൽ മാനേജ്മെന്റ് അക്കാദമിയുടെ (എച്ച്എംഎ) 'തികൾ' പദ്ധതിയ്ക്ക് എഫ്ഇ സിൽവർ അവാർഡ് ലഭിച്ചു. സുസ്ഥിര ആരോഗ്യ പരിപാലന ഇടപെടലുകളും, സുസ്ഥിര വികസന (SDGs), 'വികസിത ഭാരത' (Viksit Bharat) പ്രവർത്തനങ്ങളെയും അംഗീകരിച്ചാണ് ഈ പുരസ്കാരം നൽകിയത്. ന്യൂഡൽഹിയിൽ നടന്ന എഫ്ഇ ഹെൽത്ത് കെയർ സമ്മിറ്റ് & അവാർഡ്സ് 2025ൽ എച്ച്എംഎയുടെ ഡിവിഷിയും ഡിവിഷൻ ഹെഡുമായ ശ്രീ ഷംനാദ് അവാർഡ് സ്വീകരിച്ചു. പബ്ലിക് ഹെൽത്ത്

പ്രോജക്റ്റ് മാനേജർ ഡോ. കൃഷ്ണ എസ് എച്ച്, ഡെപ്യൂട്ടി മാനേജർ (ഫിനാൻസ്) ശ്രീമതി പത്മശ്രുതി എസ്, പ്രോജക്ട് കോർഡിനേറ്റർ ആരതി വിനോദ് എന്നിവരും ചടങ്ങിൽ പങ്കെടുത്തു. രാജ്യത്തുടനീളമുള്ള പിന്നാക്ക സമൂഹങ്ങൾക്ക് ആർത്തവ കപ്പുകൾ വിതരണം ചെയ്യുന്ന നവീന പദ്ധതിയാണ് 'തികൾ'. സാനിറ്ററി പാഡുകൾ, ടാംപണുകൾ തുടങ്ങിയ ഉൽപ്പന്നങ്ങൾക്ക് പകരം സുസ്ഥിരവും പരിസ്ഥിതി സൗഹൃദവുമായ ആർത്തവ കപ്പുകളെ പ്രോത്സാഹിപ്പിക്കുക എന്നതാണ് തികൾ പദ്ധതിയിലൂടെ എച്ച് എൽ എൽ ലക്ഷ്യമിടുന്നത്.

2018 ലെ പ്രളയക്കാലത്ത് ആലപ്പുഴ മുനിസിപ്പാലിറ്റിയിൽ തുടക്കം കുറിച്ച തികൾ പദ്ധതി, ഗണ്യമായ വലിയ ജനസമ്മതിയാണ് നേടിയത്. പുരോഗതി കൈവരിച്ചു. 2025 മാർച്ച് വരെയുള്ള കണക്കു പ്രകാരം 11 ലക്ഷം ആർത്തവ കപ്പുകൾ ഗുണഭോക്താക്കൾക്ക് വിതരണം ചെയ്തു കഴിഞ്ഞു. 202526 സാമ്പത്തിക വർഷത്തിൽ 5 ലക്ഷം ആർത്തവ കപ്പുകൾ കൂടി വിതരണം ചെയ്യാൻ തീരുമാനിച്ചിരിക്കുകയാണ്.

# എച്ച് എൽ എൽ ഒപ്റ്റിക്കൽസ് പതിനഞ്ചാം വർഷത്തിലേക്ക്; കളമശ്ശേരി മെഡിക്കൽ കോളേജിൽ പുതിയ ക്രൈനം

ഉയർന്ന ഗുണനിലവാരമുള്ള കണ്ണടകളും ലെൻസുകളും മറ്റ് ഒപ്റ്റിക്കൽ ഉൽപ്പന്നങ്ങളും മിതമായ നിരക്കിൽ ലഭ്യമാക്കുക എന്ന ലക്ഷ്യത്തോടെ ആരംഭിച്ച എച്ച്എൽഎൽ ഒപ്റ്റിക്കൽസ് പതിനഞ്ചാം വർഷത്തിലേക്ക് കടക്കുന്നു. എച്ച്.എൽ.എല്ലിന്റെ വജ്ര ജൂബിലി വർഷത്തിലെ വികസന പദ്ധതികളുടെ ഭാഗമായി, എച്ച് എൽ എൽ ഒപ്റ്റിക്കൽസിന്റെ പുതിയ ഔട്ട്ലെറ്റ് കളമശ്ശേരി മെഡിക്കൽ കോളേജിൽ ആരംഭിച്ചു. 2011ൽ തിരുവനന്തപുരം റീജിയണൽ ഇൻസ്റ്റിറ്റ്യൂട്ട് ഓഫ് ഒപ്റ്റിക്കൽ മോളജിയിൽ (ആർഐഒ) ആരംഭിച്ച എച്ച്.എൽ.എൽ ഒപ്റ്റിക്കൽസ് ഇന്ന് ആയിരക്കണക്കിന് ആളുകളുടെ ആശ്രയകേന്ദ്രമായി വളർന്നിരിക്കുന്നു. കണ്ണൂർ ജില്ലാ ആശുപത്രി, കോഴിക്കോട്, ആലപ്പുഴ, തൃശൂർ മെഡിക്കൽ കോളേജുകൾ, വയനാട് വൈത്തിരി താലൂക്ക് ആശുപത്രി എന്നിവിടങ്ങളിലായി കേരളത്തിലുടനീളം എച്ച്.എൽ.എൽ ഒപ്റ്റിക്കൽസ് കേന്ദ്രങ്ങൾ പ്രവർത്തിക്കുന്നുണ്ട്. എച്ച്എൽഎൽ ഒപ്റ്റിക്കൽസ് ഉൽപ്പന്നങ്ങൾ വിപണി വിലയേക്കാൾ 10% മുതൽ 40% വരെ

വിലക്കുറവിലാണ് നൽകി വരുന്നത്. 160 രൂപ മുതൽ 15,000 രൂപ വരെയുള്ള ഫ്രെയിമുകളും വൈവിധ്യമാർന്ന ലെൻസുകളും ഇവിടെ ലഭ്യമാണ്. ഇറ്റലി, ഫ്രാൻസ്, ജപ്പാൻ, സിന്റസർലൻഡ്, ചൈന തുടങ്ങിയ രാജ്യങ്ങളിലെ പ്രമുഖ നിർമ്മാതാക്കളിൽ നിന്നുള്ള ലെൻസുകളാണ് ഇവിടെ ഉപയോഗിക്കുന്നത്. ഫാഷൻ ഇഷ്യപ്പെടുന്ന യുവതലമുറയ്ക്കായി ഏറ്റവും പുതിയ ഡിസൈനുകളിലുള്ള ഫ്രെയിമുകളും, അൾട്രാതിൻ, ആന്റി ഫ്ലക്സൻ, 'വാരിലക്സ്' പോലുള്ള നൂതന ലെൻസുകളും ലഭ്യമാണ്. ഓരോ ഉപഭോക്താവിനും അനുയോജ്യമായ കണ്ണടകളും ലെൻസുകളും തിരഞ്ഞെടുക്കാൻ സഹായിക്കുന്നതിന് പരിചയസമ്പന്നരായ ജീവനക്കാരുടെയും ടെക്നീഷ്യൻമാരുടെയും സേവനവും ലഭ്യമാണ്. എച്ച്എൽഎല്ലിന്റെ റീട്ടെയിൽ ബിസിനസ് ഡിവിഷൻ കീഴിലാണ് എച്ച്എൽഎൽ ഒപ്റ്റിക്കൽസ് പ്രവർത്തിക്കുന്നത്.







# കോട്ടത്തറ ട്രൈബൽ ആശുപത്രിയിൽ എച്ച്എൽഎൽ സഹകരണത്തിൽ നൂതന സി.ടി. സ്കാൻ കേന്ദ്രം

കോട്ടത്തറ ഗവൺമെന്റ് ട്രൈബൽ സ്പെഷ്യാലിറ്റി ആശുപത്രിയിൽ, അത്യാധുനിക സി.ടി. സ്കാൻ കേന്ദ്രം എച്ച്എൽഎല്ലിന്റെ സഹകരണത്തോടെ പ്രവർത്തനം ആരംഭിച്ചു. 16 സ്ലൈസ് സി.ടി. സ്കാൻ മെഷീനാണ് സ്ഥാപിച്ചിട്ടുള്ളത്. കേന്ദ്രത്തിന്റെ പ്രവർത്തനത്തിനാവശ്യമായ ജീവനക്കാരെയും മറ്റ് സാങ്കേതിക സഹായങ്ങളും എച്ച്.എൽ.എൽ നൽകുന്നു. സി.ടി. സ്കാനിങ്ങിന് പുറമെ, അൾട്രാ സൗണ്ട് സ്കാനിങ് സേവനവും ഈ ആശുപത്രിയിൽ ലഭ്യമാണ്. 24 മണിക്കൂറും പ്രവർത്തിക്കുന്ന ഈ കേന്ദ്രം വഴി സി.ടി. സ്കാൻ സേവനങ്ങൾ മിതമായ നിരക്കിൽ ലഭ്യമാകും. ആശുപത്രിക്ക് പുറത്തുനിന്നുള്ള രോഗികൾക്കും ഈ സേവനം ലഭ്യമാണ്. കൂടാതെ, 'ആരോഗ്യ കിരണം' പദ്ധതി പ്രകാരമുള്ള രോഗികൾക്ക് ഇവിടെ സൗജന്യമായി സ്കാനിങ് സേവനങ്ങളും ലഭിക്കും. ഇതുവരെ, ഉയർന്ന നിരക്കുകൾ കാരണം പ്രദേശവാസികൾ സി.ടി. സ്കാനിങ്ങിനായി തൃശൂർ മെഡിക്കൽ കോളേജ് ആശുപത്രിയെയോ പാലക്കാട് ജില്ലാ ആശുപത്രിയെയോ ആണ് ആശ്രയിച്ചിരുന്നത്. തമിഴ്നാട് അതിർത്തിയിലുള്ളവർക്ക് കോയമ്പത്തൂർ വരെ യാത്ര ചെയ്യേണ്ട സ്ഥിതിയുമുണ്ടായിരുന്നു. പുതിയ സി.ടി. സ്കാൻ കേന്ദ്രം ആരംഭിച്ചതോടെ, രോഗനിർണയത്തിനായി മണിക്കൂറുകളോളം യാത്ര ചെയ്യേണ്ട ബുദ്ധിമുട്ടും ഭീമമായ തുക ചെലവഴിക്കേണ്ട അവസ്ഥയും പ്രദേശവാസികൾക്ക് ഒഴിവാകും.



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# Education Award 2025

STATE 12TH



**Avani Dileep**  
D/O Dileep K S, Mg3, KFC



**Aneeshious V**  
First prize for fancy dress competition conducted by Notre dame school, Idichakaplamoodu (standard 1 st)  
D/o Aneeshious V, PFT



**Rajisha Sekhar S R**  
D/o Smt.Sharmila Raghi S R, PFT  
Received Certificate of Merit for participating in the Kerala University Youth Festival held at Kollam from 28th to 31 May 2025 she had also won Second Prize in Essay Writing – Hindi.



**Vishnu Suthan N.R**  
S/o U.Nagarajan, CHO  
First Prize In Essay Writing (English) In Cbse South Zone Sahodaya Complex Kalotsav( Lumina 25) And Also Awarded "Best Photo Journalist " in Sarvodaya Central Vidyalaya Model United Nations 2025.



**Punya S**  
D/o Sheeba, MG 3, IFC  
secured third place in Football Sub Junior Girls U-14 category in Kerala State School Football Championship 2024-25



**Keerthana Krishnamohan**  
D/o Mr.Krishna Mohan PR, SM (QA), HLL Kakkanad Factory, receiving the Runner up trophy from Padmashri Anju Bobby George in the VGS Memorial International Quiz Competition held at Amber Valley International School, Chikmagalur, Karnataka on August 2025.



# Innovating for Healthy Generations

HLL has traversed a long path, over the past five decades. From a modest condom manufacturer, HLL has emerged as one of India's foremost providers of quality & affordable healthcare products and services. From innovative Contraceptives to Hospital products, Diagnostic services to Retail Pharmacy, creating new-age Infrastructure to Social development initiatives, we are doing all it takes to keep the generations healthy.



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# *A Self Murmur*





**Renjan K S**  
MG5, BB Division

In my early 60's my memories travel from my childhood to the retirement life.

The innocent me has grown upto a matured and responsible person who is able to face and tackle any problems which comes my way. My parents were my backbone who nurtured me to what I am today.

From my tricycle to a bicycle, bicycle to a four wheeler I chased my life. I have travelled different states and countries where each travel added new knowledge for me. The different cultures and traditions also have influenced me a lot.

For the upbringing of my family before getting a job, I have run businesses, where I built many connections from where I got true friends, who always stood along with me in all my ups and downs. Where in my 30's, friends were my world along with my family. Each functions and get togethers made me feel younger than before.

After attaining a job, my every enjoyment and travel started to slow down. My parents got aged and slowly the responsibilities were also passed on to me. Funerals, weddings, hospital cases etc. replaced my expeditions and travel. I started feeling as a matured person taking care of my parents, wife and son. My daily activities made me think myself as a puppet.

Now in my early 60's and with my ailments, I fear of my old age. After my retirement with no job and unable to do things as in my 30's I pray to god and I am sure that he will take care of me like he always did.

I'm really thankful to God for giving me such a lovable wife, son, siblings and their family.

No living things are long living so enjoy each moment of life with much enthusiasm.



**Evangelin V. Dilen**  
D/o. Dilen Vincent  
MG 3, IFC

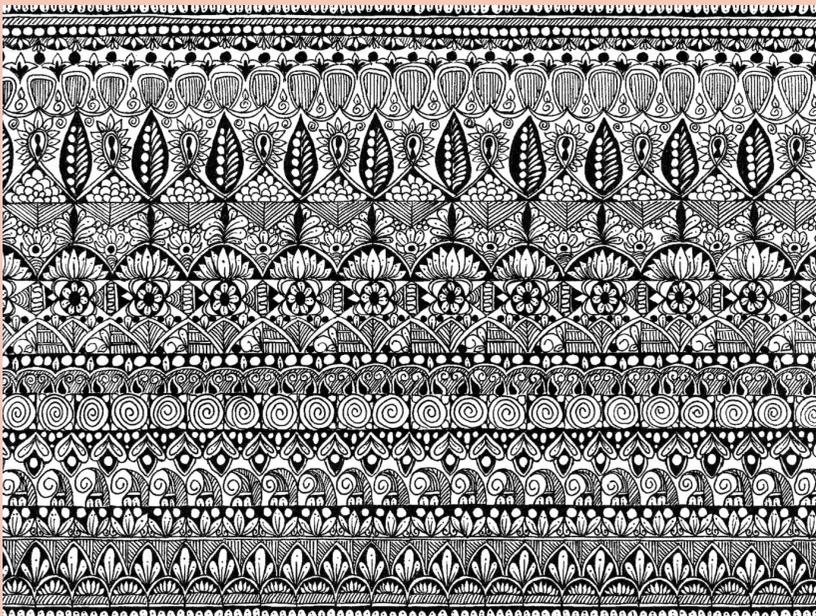


**Samanvita A Sarma**  
D/O Samyukta S  
DM (F), KFC





**Riddhi Anup**  
D/O Priya G  
SAO, KFC



**Samyukta S**  
DM(Finance), KFC

Learning filmmaking with

# George<sup>sir</sup>





I'm deeply grateful for the chance I had to work with the legendary ad filmmaker Prakash Varma at Nirvana Films as an assistant director. Being on his sets was like sitting in a masterclass every day.

What struck me most was his clarity of vision and the discipline with which he approached filmmaking. From the smallest detail to the biggest creative decision, everything had purpose. Watching him work taught me the value of preparation, focus, and how creativity truly thrives when paired with discipline.

That experience didn't just shape me as a filmmaker — it inspired me to see the craft in a whole new light. Working under him will always remain one of the most defining chapters in my journey.

By Rohit  
S/o Roshni  
Officer - Front Office  
CHO

# UPEND



Deepthi Vijayan,  
DM(HR),  
HLL-KFC

It's hard to say how it all upended,  
From being everything  
To becoming nothing.

Longed for a word of hope,  
But the void whispered-  
My mind unravelled, needing to know  
How the moments withered..

Nothing explained-  
Neither time nor silence  
All that left was a cold distance.

I awakened to the grim truth of life,  
Bearing a silent grief,  
Sensing there are no clean ends.

Wondering if any of it was ever real,  
And bewildered,  
Yet my mind iterates -  
Love may fade but never upends!

It's time to rewrite the chapters of life,  
Letting the past subside,  
Propelling to upend what once was...



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## Deo



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### Nawty

Spicy smells for powerful and mighty personalities.



### Mischif

Enigmatic, oriental, woody and ambery fragrances for the sensitive, romantic man.



### Entize

Enigmatic, irresistible and impenetrable fragrances for the man of mystery and intrigue.



# ലഹരിക്കെത്തിരെ പോരാടേണ്ടത് മാനവരാശിയുടെ രക്ഷയ്ക്ക് ആവശ്യം



**Radhakrishnan S**  
MG6, Balaramapuram Unit



ലഹരിക്ക് എതിരെയുള്ള പോരാട്ടം കുടുംബങ്ങളിൽ നിന്ന് തുടങ്ങിയാൽ മാത്രമേ ഇതിന് ഒരു പരിഹാരം കാണാൻ സാധിക്കൂ

നവോത്ഥാനത്തിന് പേരുകേട്ട നമ്മുടെ നാട് ചട്ടമ്പിസ്വാമികളുടെയും ശ്രീനാരായണ ഗുരുവിന്റെയും അയ്യങ്കാളിയുടെയും കെ. കേളപ്പന്റെയും എം.പി മന്ത്രുടെയും നാട് ഇന്ന് മദ്യപാനികളുടെയും മയക്കുമരുന്നിന്റെയും ഉപയോഗിക്കുന്നവരുടെയും നാടായി മാറിയിരിക്കുന്നു. ലഹരിക്കെതിരെ പടവാൾ ഉയർത്തിയ മഹാത്മജിയുടെ നാടാണ് നമ്മുടെ നാട്.

ഇന്ന് നമ്മുടെ കൊച്ചു കേരളത്തിൽ വർദ്ധിച്ചുവരുന്ന ലഹരി ഉപയോഗം സമൂഹത്തിന്റെ വിവിധതരത്തിലുള്ള ദുഷ്ട ഘലങ്ങൾ ഉണ്ടാക്കി കൊണ്ടിരിക്കുന്ന സാഹചര്യത്തിൽ യുവാക്കളെയും വരും തലമുറയെയും ലഹരിയിൽ നിന്ന് രക്ഷിക്കുക എന്ന ദൗത്യം നമ്മൾ ഓരോരുത്തരും ഏറ്റെടുക്കണം. സ്കൂൾ കുട്ടികളിൽ ലഹരി ഉപയോഗം ഭൂരിഭാഗവും പത്ത് മുതൽ 15 വയസ്സുവരെയൊന്നെങ്കിലും ഏഴു വയസ്സ് മുതൽ തന്നെ ശ്രദ്ധിച്ചു തുടങ്ങിയിരിക്കണം. 11,12 വയസ്സുകളിൽ ഉള്ള കുട്ടികളെ മാതാപിതാക്കൾ കൂടുതൽ ശ്രദ്ധിക്കണം.

ലഹരിപദാർത്ഥങ്ങളെ കുറിച്ചും അവ വരുന്ന വഴികളെക്കുറിച്ചും ലഹരി മാഫിയയുടെ തന്ത്രങ്ങളെ കുറിച്ചും ലഹരിക്ക് അടിമപ്പെട്ടാൽ കുട്ടികളിൽ കാണാൻ സാധിക്കുന്ന സ്വഭാവ വ്യതിയാനങ്ങളെ കുറിച്ചും അച്ഛനമ്മമാർ അറിഞ്ഞിരിക്കണം കൂടാതെ കുട്ടികൾ ലഹരിക്ക് അടിമ പെടാനുള്ള സാഹചര്യങ്ങളും സ്വാധീനങ്ങളും അച്ഛനമ്മമാർ അറിഞ്ഞിരിക്കണം.

ലഹരിപദാർത്ഥങ്ങളുടെ ലഭ്യത കുട്ടികളെ ലഹരിക്ക് അടിമപ്പെടുത്തുന്നില്ല ഏറ്റവും പ്രായോഗികമായിട്ടുള്ള കാരണമാണ് ലഹരി മാഫിയക്ക് ലഭിക്കുന്ന സഹായം അതിന് രാഷ്ട്രീയപ്രസ്ഥാനത്തിൽ നിന്ന് ആണെങ്കിലും അതിനെതിരെ നമുക്കാകുന്ന രീതിയിൽ പ്രതികരിച്ചു കൊണ്ടിരിക്കണം എന്നാൽ മാത്രമേ ലഹരിയിൽ നിന്ന് പുതിയ തലമുറയെ നമുക്ക് വാർത്തെടുക്കാൻ പറ്റുകയുള്ളൂ

സ്കൂൾ കോളേജ് വിദ്യാർത്ഥികൾക്ക് മയക്കുമരുന്നിന് എത്തിക്കുന്ന ഒരു ലോബി തന്നെ ഇന്ന് കേരളത്തിൽ പ്രവർത്തിക്കുന്നു എന്ന കാര്യം നമുക്കറിയാം ലഹരി ഉപയോഗിക്കുന്ന കുട്ടികളെ ലഹരി വാഹകരാക്കി പണം

സമ്പാദിക്കാൻ പ്രേരിപ്പിക്കുന്ന സംസ്കാരം വളർന്നുവരുന്നു നമ്മുടെ കൺമുമ്പിൽ അപകടം പതിയിരിക്കുന്നു നമ്മുടെ കുട്ടികളുടെ ഭാവി എന്തെന്ന് ഉത്കണ്ഠ വളർന്നുവരുന്നു.

ഇന്ന് നമ്മുടെ സംസ്ഥാനത്ത് ലഹരി ഉപയോഗം കൂടുതലായി കാണുന്നത് സ്കൂളുകളും കോളേജുകളും കേന്ദ്രീകരിച്ചാണ് അവർക്ക് സമൂഹത്തിലെ ചില ശക്തികളുടെ പിന്തുണ ഉള്ള കാര്യം നമുക്ക് അറിയാവുന്നതാണ്

ലഹരി മാഫിയ സംഘങ്ങൾ കുട്ടികൾക്ക് ലഹരി മുട്ടായി വിതരണം ചെയ്യുന്നു. ലഹരി മുട്ടായി കഴിക്കുന്ന കുട്ടി അത് നൽകിയ കുട്ടിയുടെ ഒരു മുട്ടായി കുടി ചോദിക്കുന്നു മൂന്ന് മാല് പ്രാവശ്യം ഇത് സൗജന്യമായി ആ കുട്ടി നൽകുന്നു പിന്നെ പൈസ ചോദിക്കുന്നു പൈസ കൊടുക്കാൻ പറ്റാതെ വരുമ്പോൾ കുട്ടികൾ വീട്ടിൽ നിന്ന് പൈസ മോഷണം ചെയ്യുന്നു ആ പൈസ കൊണ്ട് വീണ്ടും മുട്ടായി വാങ്ങി കഴിക്കുന്നു പിന്നെ അവൻ ഇതിന് അടിമപ്പെടുന്നു മുട്ടായി വിതരണം ചെയ്യുന്ന കുട്ടിയെ ലഹരി മാഫിയ ഇതിന്റെ ഏജന്റ് ആക്കി മാറ്റുന്നു അവൻ ക്രിമിനൽ കുറ്റങ്ങളിൽ പങ്കാളിയാകുന്നു ഇങ്ങനെ ആ കുട്ടികളുടെ ഭാവി തന്നെ അപകടത്തിൽ പെടുന്നു സ്കൂൾ കോളേജ് വിദ്യാർത്ഥികൾക്ക് മയക്കുമരുന്നിന് എത്തിക്കുന്ന ഒരു ലോബി തന്നെ ഇന്ന് കേരളത്തിൽ പ്രവർത്തിക്കുന്നു എന്ന കാര്യം നമുക്കറിയാം ലഹരി ഉപയോഗിക്കുന്ന കുട്ടികളെ ലഹരി വാഹകരാക്കി പണം സമ്പാദിക്കാൻ പ്രേരിപ്പിക്കുന്ന സംസ്കാരം വളർന്നുവരുന്നു നമ്മുടെ കൺമുമ്പിൽ അപകടം പതിയിരിക്കുന്നു നമ്മുടെ കുട്ടികളുടെ ഭാവി എന്തെന്ന് ഉത്കണ്ഠ വളർന്നുവരുന്നു അധികാരികൾ തന്നെ കൂട്ടുമിത്ക്കുന്നു

വിദ്യാർത്ഥികൾ ഉൾപ്പെടെയുള്ളവരുടെ ലഹരി ഉപയോഗത്തിനെ കുറിച്ച് 50% രക്ഷിതാക്കൾക്കും അധ്യാപകർക്കും അറിയാവുന്നതാണ് എന്നാൽ ചില സ്ഥലങ്ങളിൽ അതിൽ നിന്ന് അവരെ പിന്തിരിപ്പിക്കുവാൻ അവർ ശ്രമിക്കുന്നില്ല ലഹരി ഉപയോഗം തടയുന്നതിൽ രക്ഷിതാക്കൾക്കും അധ്യാപകർക്കും

മുഖ്യപങ്കുണ്ട്. ലഹരിക്ക് എതിരെയുള്ള പോരാട്ടം കൂടുംബങ്ങളിൽ നിന്ന് തുടങ്ങിയാൽ മാത്രമേ ഇതിന് ഒരു പരിഹാരം കാണാൻ സാധിക്കൂ

പുതിയ തലമുറയിൽ കാണുന്ന ലഹരിയുടെ ആമിത ഉപയോഗം അത്യന്തം ആശങ്കാജനം തന്നെയാണ് അതിശക്തമായ ബോധവൽക്കരണം നമ്മൾ നടത്തണം ഇല്ലെങ്കിൽ നശിക്കുന്നത് നാടിന്റെ ഭാവിയാണ്. ഇക്കാരണത്താൽ നമ്മുടെ നാട്ടിൽ അക്രമവും കൊലപാതകവും അപകടം മരണങ്ങളും സ്ത്രീ പീഡനങ്ങളും ഇല്ലാത്ത ഒരു ദിവസം പോലും കാണാൻ കഴിയുന്നില്ല സ്വന്തം ഭവനങ്ങളിൽ പോലും സ്ത്രീകൾക്ക് സുരക്ഷയില്ലാതെയായി. നിയമപാലകർ വരെ ലഹരിക്കു അടിമപ്പെടുന്നു ലഹരിയുമായി ബന്ധപ്പെട്ട് തന്നെ കഴിഞ്ഞ 9 വർഷമായി 52 കൊലപാതകങ്ങളാണ് നടന്നതെന്ന് ഔദ്യോഗിക രേഖകൾ വ്യക്തമാക്കുന്നു അച്ഛനെയും അമ്മയെയും കൊല്ലുന്ന മക്കൾ ഭാര്യയെ കൊല്ലുന്ന ഭർത്താവ് ഭർത്താവിനെ കൊല്ലുന്ന ഭാര്യ സഹോദരിയെ പീഡിപ്പിക്കുന്ന സഹോദരൻ മകളെ പീഡിപ്പിക്കുന്ന അച്ഛൻ മനുഷ്യൻ മൃഗത്തിന് തുല്യമായി മാറുന്നു

സ്വബോധം നഷ്ടപ്പെടുന്ന മനുഷ്യർ ചെയ്ത് കൂട്ടുന്ന ക്രൂരതയ്ക്ക് കയ്യും കണക്കും ഇല്ലാതായിരിക്കുന്നു കഴിഞ്ഞ 10 വർഷത്തെ കണക്കുകൾ പരിശോധിക്കുമ്പോൾ ഏറ്റവും കൂടുതൽ കൊലപാതകം നടന്നത് നമ്മുടെ തലസ്ഥാന ജില്ലയായ തിരുവനന്തപുരം ആണ് 418 കേസുകൾ കൊല്ലം 338

തൃശ്ശൂർ 315 പാലക്കാട് 233 ഏറ്റവും കുറഞ്ഞ കുറ്റകൃത്യങ്ങൾ നടന്ന ജില്ല വയനാട് ആണ് 90 കുറ്റകൃത്യങ്ങളാണ് റിപ്പോർട്ട് ചെയ്തത് അങ്ങനെ കുറ്റകൃത്യങ്ങൾ നടക്കുമ്പോൾ റോഡ് അപകടങ്ങളും അപകടമരണങ്ങളും കാഴ്ച നമുക്ക് കാണാൻ സാധിക്കും ഇതിൽ ഭൂരിപക്ഷത്തിന്റെയും കാരണക്കാർ മദ്യവും മയക്കുമരുന്നും തന്നെ.

ഈ സാഹചര്യത്തിൽ ലഹരിയോട് വിട ചെല്ലാൻ നാടിനെ സ്നേഹിക്കുന്ന എല്ലാവരും രംഗത്തിറങ്ങേണ്ട സമയം അതിക്രമിച്ചിരിക്കുന്നു.



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# Foundations of Quantum Mechanics



Anilkumar. K. K  
PFT



How Wave function & its collapse conditions affect the human consciousness. As we know, Human development had been started since the age of cave man to present silicon chips era, where we stand now, have been noticed that the history of development of science & technology starts itself dated back from merely around 5000 years ago. Then consider, after it slightly increased up to 2000 AD. Then a steep jump found only from around 400 years back.

We can draw a graph as the x-axis is years in Gregorian calendar vs. y-axis as % of human developments. We can see a graph as shown below,

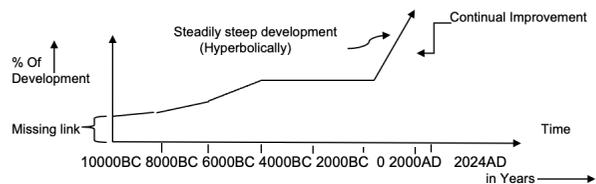


Fig (1). The Human's % of Intellectual development (in technology wise) in the y-axis with respect to the connected years (in the x-axis).

We can see a sudden change in the scientific development started since renaissance in Europe, political & social reforms in Russia. The waves of Enlighten spread all over the world from Far East to west. This all contributed by the revolutions in the socio-economical realms in human thoughts and consciousness. The waves of the renaissance reached far ends of globe in terms of liberty of the masses. Hence, eventually, led to the sudden pace of growth in the field of technology, scientific, and research wise in advancement. One of noticeable turning point materialized since around 400 years back, (Encl: Here mention, the missing link about the growth of the human races, in terms of the data history is vague and unclear. It doesn't mean any mutation happened before that period) after the birth of Nicholas Copernicus, Mathematician and astronomer, who formulated the motion of the celestial bodies around the sun. We could not go further without knowing some of the notable famous scientists in the field of physics and mathematics, such as Isaac Newton, Maxwell, Max Planck, Albert Einstein, Neils Bohr, Schrödinger, De-Broglie, Heisenberg, and George Sudarshan.

The Schrödinger equation was established in primitive form in 1926 by Erwin Schrödinger and was generalized by Paul Dirac a few years later. It initially adopted the ideas of the mathematicians Hamilton and Félix Klein to extend De Broglie's theory of matter-waves. The Schrödinger equation can be solved exactly only for the simplest systems – such as particle in a box, Hydrogen atoms etc... and not for relatively complex multi electron systems, such as the Helium atom and other higher atomic numbered systems.



Fig (2). The Complex plane wave in the Fourier transforms.



Fig (3). A visual representation of a Wave packet.

The Fig (2) & Fig (3) are the two manifestations of the same photons. In Fig (4).The wave packet also curls in a spiral as it propagates along the x-axis over time, but it has a localized distribution of non-zero amplitude as illustrated in Figure be-

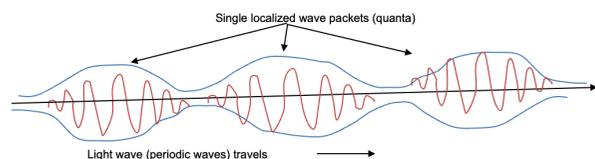


Fig (4) Light wave (periodic waves) travels with subset single localized wave packets (quanta).

As Noether's theorem states that the Schrödinger equation (time-independent) expresses the principle of the conservation of energy consistent with the de Broglie relations. During these Schrödinger's equation arrived, he encountered the negative probability also. However, these negative probabilities are never observed as one can't isolate the cases in which the photon "goes through both slits" but can hint at the existence of anti-particles.

The 'superposition' is something like being in all possible eigenstates at once. In the famous thought experiment known as Schrödinger's cat, the cat is empirically neither alive nor dead until observed - until that time, the cat is theoretically both alive and dead (technically half-alive and half-dead in probability terms). However, most quantum physicists, in resolving Schrödinger's cat paradox, now understand that the acts of 'observation' and 'measurement' leads to two type stages, first is the argument that there is no 'observer effect', only one vastly entangled quantum system (wave function). Another one is the argument that there is "wave function collapse" is being emerged, while the act of 'observation' or 'measurement'. Hence, either two possible outcomes are being surfaced from this, observer may identify that two possible outcomes as of the cat may be dead or alive arisen, where a solid separation of two worlds are being transformed here by the agreement with Many Worlds Interpretation (MWI).

The claim that an observer is needed to collapse the wave function has injected a severely anthropomorphic element into quantum theory, suggesting that nothing happens in the universe except when physicists are making measurements. An extreme example is Hugh Everett's Many Worlds' Interpretation (MWI), which says that the universe splits into nearly identical universe whenever a measurement is made (wave function collapse does not occur in this case). Hence, MWI may be sturdily considered as just opposite dominion of wave function collapse theory.

The many worlds interpretation, leading to the other criterion "quantum non-locality". The non-local phenomena in quantum mechanics are explained by the mechanism of quantum decoherence. If a quantum system were perfectly isolated from environment, it would maintain coherence indefinitely (quantum decoherence-quantum non-locality). But normally the system loses apparently its quantum properties into environment (coherence is shared with environment - often modelled as heat bath) as same as energy appears to be lost by friction in classical mechanics. This property of quantum systems is known as quantum Decoherence.

## 1. The wave function

The corpuscular theory of light was the early accepted model before the wave concept emerged in the 17-18th centuries. The wave theory of light got widespread acceptance in world than Isaac Newton's corpuscular theory of light after the Double slit experiment of Thomas Young in the early 1800s. However, aftermath the discovery of photoelectric effect, the classification again deviated from wave theory

to quantum nature by the Alert Einstein's definition of light, which can behave as if it is composed of discrete energy packets (quanta). These seemingly contradictory to classical physics and shed wide acceptance of the quantum nature of light.

In the advent of final enigma, The Duc de Broglie (French Physicist) was made breakthrough discovery of matter waves, which contributed Quantum Physics. He postulated that electrons have wave or particle nature (wave-particle duality), this duality nature is applied all matter including photons, atomic & sub atomic particles, commented as the basic property of all matter. This wave also known as De Broglie waves, is the property of a material object that varies in time or space (particle property) while behaving similar to waves (wave property). Thus, combined wave and particle properties together and named as wave-particle duality. Sometimes, it is called as Matter waves also. It also holds greater similarity to the dual nature of light, which behaves as wave, or particle nature and both the wave & particle nature at the same instant, which arrived at the double-slit/single slit experiment too! In one of our native language Malayalam comedy films, a tricky magician named as "Kumbidi" has a capability of to have in two places at the same time.

The Heisenberg uncertainty principle is a physical law that forms part of quantum mechanics. The principle says that the position and the velocity of an object cannot be measured exactly at the same time. That means, in quantum mechanics, we often say that a particle can be two places at once. It is more precise to say that there are situations when a particle may not have a location (non-local) at all. This is deeply weird. The Heisenberg uncertainty principle is,  $\Delta x \cdot \Delta p \geq h/4\pi$

In Physics, the term Observer effect - means the mere act of observation will influence the object being observed, but it is unclear if they require a conscious observer or not. This phenomenon was being opened new horizons in the fields of Physics and quantum mechanics, and it was also a new knowledge to the physicist, which was entirely brainstorming to their previous concepts. For example, when we want to measure the properties of an electron, a photon must interact with it firstly, and this interaction will change the path of that electron. It is theoretically possible, that less direct or indirect means of measurement also affect the electron. In double slit experiment, scientist installed sensors for observing the electrons, even though without actual observation taking place, it will still (theoretically) alter its position.

John Archibald Wheeler (delayed choice experiment) attempts to decide whether light somehow "senses" the experimental apparatus in the double-slit/single slit experiments and that information may travel ahead of the result through, and adjusts its behavior to fit by assuming the appropriate deterministic state, or whether light remains in an indeterminate (Superposition) state, neither wave nor particle, and responds to the "questions" asked of it in either a wave-consistent manner or a particle-consistent manner, depending on the experimental arrangements that ask these "questions". This all will lead to the consciousness (The Von Neumann interpretation in which consciousness caus-

es wave function collapse) of the particle to be obeyed in certain manners, which could be consistent to the linear adherence to non-objectionability of questions, aroused in the experimental arrangements.

According to quantum mechanics, every time you get confused between two things and decided to choose to go with one of them, the universe splits into two parts, where you choose the other option in another universe. The many worlds interpretation (MWI) was originated by the Hugh Everett found that wave function collapse is not possible at any way. Why, at the moment of measurement,

The light cone of the block universe (some physicist seemed to be stuck on this) concept makes many worlds (MWI) with in the universe, which branches separately outside or inside the light cone in different dimensions. In contrast to some other interpretations, such as the Copenhagen interpretation, the evolution of reality as a whole in MWI is rigidly deterministic. Many-worlds is also called the relative state formulation or the Everett interpretation.

MWI is now considered a mainstream interpretation along with the other Decoherence interpretations, wave function collapse theories (including the Copenhagen interpretation), and hidden variables theories such as Bohmian mechanics. (The De-Broglie-Bohm theory is an interpretation of quantum mechanics which, postulates that, in addition to the wave function, an actual configuration of particles exist, even when unobserved) The many worlds interpretation implies that there are very many universes, perhaps uncountable-but finite number of universes and now called as Multiverse. This is intended to resolve some quantum paradoxes such as Quantum entanglement (EPR paradox) and Schrödinger's cat thought experiment, since every possible outcome of quantum event exists in its own universe. Below shows the Schrödinger's cat paradox branches into two events in different universes (which do not interact mutually) from the superposition state.



Fig (6). The quantum-mechanical "Schrödinger's cat" paradox according to the Many-Worlds interpretation. In this interpretation, every quantum event is a branch point; the cat is both alive and dead, even before the box is opened, but the "alive" and "dead" cats are in different branches of the universe, both of which are equally real, but which do not interact with each other.

The first serious proposal of parallel universe was by Hugh Everett, who challenged Bohr's concept of wave function collapse. [NOTE: The Wave function collapse, occurs when wave function-initially in superposition of several eigenstates-reduces to a single eigenstate due to interaction with the external world. This interaction is called an "observation". As such even the parts of his brain still are considered the part of the observed system. In Von Neumann interpretation the collapse of the wave function happens when the observer feels any qualia (feeling) depend on the measured value. The collapse of wave function is called "decoherence"- collapsing wave. The brain, mind or consciousness play role in the collapse of the wave function-may sometimes called as Zeno's quantum effect (For example, while we observing the electrons movement around an atom, the movement of the electrons will be collapsed to stationary positions momentarily), with this event taking place naturally in an objective vision and stochastic discontinuous nonlinear fashion within the complex architecture of the eye. John von Newman argued that, the mathematical foundations of quantum mechanics, allows the collapse of the wave function to be placed at any position in the casual chain from the measurement device to the "subjective perception" of the human observer. No animals have been observed as used to collapse the wave function. The mere act of observation, measuring device, and human interaction may lead to wave function collapse.]

## 2. The Wave function Collapse

In Quantum mechanics, wave function collapse occurs when a wave function - initially in a superposition of several eigenstates - reduces to a single eigenstate due to interaction with the external world (or observation). This interaction is called an "observation" It is the essence of a measurement in quantum mechanics. Collapse is black box for a thermodynamically irreversible interaction with classical environment. [The wave function Collapse is a magic box or idiosyncratic (is out of the box theory) concept, where both complex architecture of the eyes & brain (vision sensory system - a quantum mechanical description (view of reality) of interacting - a demarcation line of human perception) occurred. The higher-dimensional space-time continuum silently meets for a common shared performance - "the act of observation" is believed to be materialized in the normal physical environment, in this consideration of the quantum mechanical view of the observer and the set-up to be observed, both are the active part of the same quantum mechanical description. The act of observation as mentioned in the above may be considered thermodynamically irreversible interaction as contradictory to the classical concept].

If there is no direct/indirect observation taken place, the collapse does not occur. Quantum mechanics was a fundamental part of the "orthodox" theory proposed in the late

1920's by the founders of quantum mechanics- Werner Heisenberg, Niels Bohr, Max Born, Paul Dirac, Wolfgang Pauli and Pascual Jordan It is the ultra-empowering view that we get to choose our reality based on our observation. Many of you have probably heard through the quantum mechanical view of reality that when we observe something, it collapses a wave function (superposition of so many different possible eigen functions may be collapsed to a one eigenstate). So, consciousness (The Von Neumann interpretation in which consciousness causes wave function collapse) means orients itself through the significant perception of an individual who changes the way that particles interact in reality. This is already a crazy view but it gets even crazier. The existence of the wave function collapse is required in

This apparent conflict between a wave function description and classical experience is called the problem of observation (measurement problem). The idea of the wave function in quantum mechanics and its indeterministic collapse during a measurement is without doubt the most controversial problem in physics today. So, it is very important to understand the importance of what Dirac called the projection postulate in quantum mechanics. The collapse of the wave function is also known as the "reduction of the wave packet" This describes the change from a system that can be seen as having many possible quantum states (Dirac's principle of superposition) to its randomly being found in only one of those possible states.

John Von Neumann argued that the quantum mechanics allows the collapse of the wave function to be placed at any position in the causal chain from the measurement device to the "subjective perception" of the human observer - the latter boundary (consciousness). In the 1960's Eugene Wigner reformulated the "Schrödinger's cat" thought experiment as "Wigner's friend" - indirect measurement and proposed that the consciousness (The von Neumann-Wigner interpretation, also described as "consciousness causes collapse", is an interpretation of quantum mechanics in which consciousness is postulated) of an observer is the demarcation line that precipitates, collapse of the wave function, independent of any realist interpretation. The mind is postulated to be non-physical and the only true measurement apparatus, namely human (and perhaps animal) minds, which perform measurements on the brain, which causes the real wave function to collapse.

Moreover, the conscious thoughts of a human observer ought to be causally connected most directly and immediately to what is happening in his brain, not to what is happening out at some measuring device, our bodies and brains thus become active parts of a quantum mechanical setup (mechanical apparatus and an organic set-up of vision control system) being described in the physical universe. Treating the entire physical universe in this unified way provides a conceptually simple and logically coherent theoretical foundation. Although the collapse is historically thought to be caused by measurement, and thus dependent on the role of the observer in preparing the experiment, collapse can occur whenever quantum mechanical system  
Consciousness itself plays a vital causal role, being required

to bring about the so-called "collapse of the wave function." This collapse is supposed to occur upon any act of measurement and in one interpretation, the only way to distinguish a measurement from a non-measurement is via the presence of consciousness. The interpretation has also been criticized for not explaining which things have sufficient consciousness to collapse the wave function. Also, it posits an important role for the conscious mind, and it has been questioned how this could be the case for the earlier universe, before consciousness had evolved or emerged. It has been argued that "[consciousness causes collapse] does not allow sensible discussion of Big Bang cosmology or biological evolution" "The evolution of conscious life on this planet is due to appropriate mutations having taken place at various times. These, presumably, are quantum events, so they would exist only in linearly superposed form until they finally led to the evolution of a conscious being - whose very existence depends on all the right mutations having 'actually' taken place!" Others further suppose a universal mind (see also panpsychism and panexperientialism.

Many of the originators of quantum mechanical theory held that humans can effectively interrogate nature through interacting with it, and that in this regard quantum mechanics is not different from classical mechanics. It take place when the result of a measurement is registered in the mind of an observer, which finally leads to quantum description of wave function collapse. Wave function collapse can be viewed as aftermath of quantum decoherence, which in turn is nothing more than an effect of the underlying local time evolution of the wave function of a quantum mechanical system and all of its environment.

We can give the simplest answer is the single word - fate or chance. Albert Einstein, the foremost scientist of all time (and ironically the discover of chance in quantum mechanics, which he disliked but, never denied was a part of the quantum theory, as far as it could go in his time) adamantly disliked the idea of "uncertainty" or "indeterminism" the thought that some things in the universe were not caused - fate (or only statistically caused - chance).

Bohr also took an active interest in the philosophical implications of quantum theories such as his Complementarity principle. He believed quantum theory offers a complete description of nature, albeit one that is simply ill-suited for everyday experiences - which are better described by classical mechanics and probability. Bohr never specified a demarcation line above which objects cease to be quantum and become classical. He believed that it was not a question of physics, but one of philosophy or convenience.

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