



# JWala DHwANI



Immensely  
INSPIRED

ജാലധാനി ജ്വാലാധനി MAY 2018  
Energising BPCL Kochi Refinery



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Cover:  
**Mahesh Vijayan / OM&S**  
Selected from "EXPRESSIONS" by JwalaDhwani  
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## Immensely inspired

*JwalaDhwani* is a platform that connects the entire universe of BPCL Kochi Refinery into a few pages that come alive every month and live on for perpetuity. It has been a privilege for me to be a part of this magical journey with *JwalaDhwani*.

More than the voice of KochRefiners, the journal serves as a very important tool for reaching out to each one of the KR family, not just the employee, but also the extended family. As the head of HR, I have always seen *JwalaDhwani* as a friendly mode of communication that has been inclusive at all levels. Several initiatives were introduced through *JwalaDhwani* including exclusive pages for regional languages for pan India BPCL members joining KR.

It was a pleasure to organise the *JwalaDhwani* Annual Day last month, a unique celebration to motivate the committed team behind it and also to felicitate winners and contributors who add life and colour to the journal each month. I wish the team more exciting times ahead for more exciting issues of *JwalaDhwani*.

The annual photography exhibition by KR enthusiasts has been captured as *Expressions by JwalaDhwani* a special coffee table that was also released on the Annual Day. To showcase our talents beyond KR, this book is being placed at premium spots at KR and BPCL HQ. I also invite you to motivate the artists in the digital album that's now on KR Facebook.

April – May are the months of transitions across the organisation and we have a big team from KR moving out to other parts of BPCL this time, including me. As I leave for my new role at BPCL Head Quarters, I would like to happily handover the joy of heading one of the finest HR teams of BPCL to Mr. Jayesh Shah, who is joining us as the Executive Director (HR). He will also be the new Editor of *JwalaDhwani* and I'm sure he will experience the joy and camaraderie that is so unique to Kochi Refinery.

I extend a very warm welcome to all new members of Kochi Refinery and to members taking on new responsibilities at other locations, here is wishing you success in all that you do!

With love I bid goodbye to *JwalaDhwani* and welcome our new Editor to be immensely inspired, just the way I am!

Warm regards

Editor



# Jwala DHWANI

ജ്വാലധ്വനി  
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## Additional Secretary & Financial Advisor (MoP&NG) at KR



**M**r. Rajiv Bansal, IAS, Additional Secretary & Financial Advisor, Ministry of Petroleum and Natural Gas, Government of India visited BPCL Kochi Refinery on Friday, 20 April 2018.

He was given a warm welcome at BPCL Kochi Refinery and had discussions with senior executives. Mr. Prasad K Panicker, Executive Director (Kochi Refinery), Mr. P.S. Ramachandran, Executive Director (Projects), Mr. Murali Madhavan P., Chief General Manager (Operations) and Mr. M.V. Prabhakaran, Chief General Manager (HR) made presentations on 'Petrochemical', 'On-going projects', 'Refinery Overview', and 'Corporate Social Responsibility'.



**Mr. Rajiv Bansal, IAS - inaugurating the Blast Proof FCCU Control Room**



**ED (KR) I/c makes the presentation on KR**

He reviewed the ongoing projects Propylene Derivative Petrochemical Project (PDPP) and Motor Spirit Block Project (MSBP). He visited the project sites, Main Control Room and Fire Station. He laid the Foundation Stone for Flare System of PDPP

and he inaugurated the Blast Proof FCCU Control Room.

Mr. Rajiv Bansal also planted a tree sapling at KR Ecopark to mark his maiden visit to Kochi Refinery.

"Thank you for such a wonderful visit. I felt that history is being made and the foundations of a New India are being laid. Congratulations for the IREP project and best wishes for the PDP plant," he wrote in the visitors' book.



**Mr. Rajiv Bansal, IAS - unveils the foundation stone for Flare System of PDPP**

## Mr. Rajiv Bansal inaugurates Ujjwala Diwas at Kochi

As part of Prime Minister's Ujjwala Yojana (PMUY) project, 450 LPG Panchayats were organized throughout Kerala in which thousands of LPG connections were extended to deserving families on 20 April that was commemorated as Ujjwala Diwas.

Inaugurating the LPG Panchayat at St Mary's higher secondary School, Kandanad, Udyamperoor, was Mr. Rajiv Bansal, IAS, Additional Secretary and Financial Advisor, Ministry of Petroleum and Natural Gas, Government of India. This LPG Panchayat was organized by Bharatgas Distributor M/s Vyrellil Agencies.

Mr. Bansal said that the Ujjwala Yojana aims to safeguard the health of women & children by providing them with the clean cooking fuel of LPG. He added that the project is transforming the lives of many people. Mr. John



**Additional Secretary and Financial Advisor, MOP&NG inaugurating 'LPG Panchayat' at St. Mary's HSS, Kandanad, Tripunithura.**

Jacob, President, Udyamperoor Grama Panchayat, Mr. Prasad K. Panicker - ED I/C BPCL Kochi Refinery, and Mrs. Sheela Varghese, School Head Mistress, also spoke. The LPG Ujjawala connections were distributed to the beneficiaries by the Chief Guest. As Part of LPG panchayat, Ujjawala song and

Panchayat song were also played.

Subsequently Safety Clinic was taken by Mr. Joy Kalapura, Proprietor of Easy Flame, Bharatgas Distributor, Kolencherry and the various queries raised by the customers were addressed by the officials present.

## SDI-Kochi exceeds my expectations - Mr. Rajiv Bansal IAS



"It has been extremely fascinating experience to this state-of-the art training facility. I have seen several IITs and Institutes but this one far exceeds my expectations. Please keep up the good work. You are training the future of India" wrote Mr. Rajiv Bansal, IAS, Additional Secretary & Financial Adviser during his visit to the Skill Development Institute, Angamaly, Kochi on 20 April 2018. Mr. Prasad K Panicker, ED I/c (KR) & Member/ Governing Council & General Body of SDS-K, Shri M V Prabhakaran, CGM (HR) & Secretary/SDS-K and Shri Somasekar S, CGM (Advisory Engg) & CEO, SDS-K were present during the visit.



Mr. Bansal addressed the students and interacted with them. At the felicitation ceremony organized on the same day, Mr. Bansal distributed the Course Completion Certificate to the students of the winter batch 2017 and also gave the Job offer letters to the students who have been selected for overseas placements at NBTC, Kuwait. Later Mr. Bansal went around the Institute and appreciated BPCL KR for the state-of-the art facilities provided for the students.



## BPCL supports Marine Ambulance Project of GOK.

**B**harat Petroleum is extending financial support for the Marine Ambulance Project of Govt. of Kerala. Mr. Prasad K Panicker, Executive Director (Kochi Refinery) and Mr. Ramesh Nair, Executive Director (HRS), BPCL, presented the first instalment to Mr. Pinarayi Vijayan, Hon'ble Chief Minister of Kerala in Thiruvananthapuram on 11 April 2018. BPCL is extending Rs. 6.08 crores for the procurement of one Marine Ambulance as part of its Corporate Social Responsibility

activities and the first instalment of Rs. 3.04 Crores was presented to the Hon'ble Chief Minister of Kerala.

The ambulance will be constructed by Cochin Shipyard Ltd. Mr. KR Jyothish, IAS, Principal Secretary (Transport), Govt. of Kerala, Mr. George Thomas, General Manager (PR & Admin), Mr. MVS Naidu, Territory Manager (LPG), Mr. Vinod T Mathew, Asst. Manager (PR) of BPCL; and Mr. NV Suresh Babu, Director (Operations) and Mr.

MD Varghese, GM (IR) & Head (CSR) of Cochin Shipyard Ltd. were present on the occasion. Earlier, BPCL and Department of Fisheries, GoK had signed a Memorandum of Understanding for the implementation of the Marine Ambulance project.

Post recent disasters like Ockhi and the growing global climate changes that have been raising alarms on the safety of fishermen at sea, the Department of Fisheries, Govt of Kerala decided

## First column erected at PDPP

**T**he erection of first column of PDPP commenced with the erection of Raffinate stripper (PDA-V-016) in Acrylic Acid Unit.

The Raffinate stripper was supplied by M/s Sharp Tanks and Structural (P) Ltd, Mumbai in single piece and the site erection was done by M/s Offshore Infrastructure Ltd.

The size and weight parameters of the column are 19.43 m length, 0.9 m Inside Dia. , 7.6

MT weight and the material of construction of shell, head, nozzle etc are SS 316L.

The Raffinate stripper recovers solvents from the Acrylic Acid plant waste water stream.

Commencement of column erection is a significant milestone in the PDPP construction journey and the erection activities shall increase manifold in the upcoming





## Highest value order placed for MSBP at KR

The MS Block project at Kochi Refinery with the NHT unit, PENEX unit, CCR unit and utilities & off sites, is being implemented under a hybrid methodology consisting of part conventional and part EPC/LSTK packages.

After awarding the EPC packages such as Heater package and CCR package, the LSTK package for all the other balance jobs of plant facilities of NHT unit, PENEX unit and CCR unit was awarded as the single largest contract to

M/s Petrofac International (UAE) LLC on 9 March 2018.

The formal detailed Letter of Acceptance along with other contract documents for this major highest value single order placed till date in the history of BPCL-KR, was handed over to M/s Petrofac International (UAE) LLC on 30 March 2018.

Mr. P. S. Ramachandran, Executive Director (Projects), BPCL-KR handed over the documents to Mr. Sunder

Kalyanam, Group Managing Director of M/s Petrofac International (UAE) LLC in the presence of Mr. S. Sankaran, Sr. Vice President (Proposals), Mr. Kishor Parwani, Director Sales (PETROFAC) and officials of BPCL-KR Mr. Ramadas M R, GM (Projects), Mr. Satheesh Kumar K P, D.G.M. (Projects) I/C, Mr. Venugopal S, Chief Manager (Legal), Mr. Mani P H S, Chief Manager (Projects), Rajesh BK, SM(Projects) and Ms. Smitha Ramakrishnan, Asst. Manager (Projects).



## Acrylic Acid Reactors on its way home

The DWE Reactor Package of Acrylic Acid Unit comprising two Oxidation Reactors for Acrylic Acid production were received at Kochi port from Germany on 30 March. Subsequently, the consignment has been transported through the inland waterways/backwaters of Kerala on barge Veer Ekadanta to Irumpanam Jetty. The receipt of the consignment is a major Manufacturing and Delivery milestone for Team PDPP.

The reactors consist of 16 tube sheet plates, 12 shell plates, 4 reactor heads and 73800 number of tubes. Valued at about 191 Crores (Supply & Site Work), the consignment is the most expensive equipment in the PDPP project and one of the major long lead items. Team PDPP is in eager anticipation of the receipt of the equipment to site.



## BPCL joins Joint HADR Exercise Chakravath by Southern Naval Command

A joint HADR (Humanitarian Assistance and Disaster Relief) **Exercise Chakravath**, was organised by the Indian Navy in coordination with the Kerala government during 5-8 April 2018. Hon'ble Chief Minister Pinarayi Vijayan inaugurated the exhibition at the Sagara Hall of Cochin Port Trust (CoPT) consisting of around 60 stalls put up by various national and state level agencies, NGOs and vendors, for displaying a large range of equipment used for disaster relief.

The highlight of the four-day disaster management exercise was the skill Demo, by the Armed Forces in tackling emergencies using all available resources both with the forces and the State Agencies. The skill-demo was conducted in the Mattancherry Channel off the BTP Jetty, CoPT. Public witnessed the aftermath of a Cyclone hitting the coast of Kerala and the coordinated actions taken by various agencies.

The other attraction was the exhibition for generating better awareness of HADR capabilities in Kerala. Bharat Petroleum also participated in the exhibition at the Sagara Hall that witnessed huge participation from the public who wanted to see the emergency preparedness and rescue & relief equipment in



the State. BPCL also exhibited our latest Emergency Rescue Vehicle on the inauguration day.

Apart from Hon'ble Chief Minister, Chief Secretary, Govt of Kerala, Mr. Paul Antony, Hon'ble MLA of Ernakulam, Mr. Hibi Eden, various senior officials of the Dept of Factories & Boilers and various other Government Organisations visited the BPCL

stall. Mr. Prasad K Panicker, ED(Kochi Refinery) welcomed the dignitaries along with Mr. Damien Gracious, Chief General Manager (HSE).

Mr. Naizu AV, Chief Manager (Fire & Safety), Mr. Satish Jagjiwan Alone (Manager), Sethu N Nandan, Asst Mgr and Firemen Abdul Salam and KP Narayanan explained the preparedness of BPCL KR and demonstrated the operations of various safety equipment at the four day event from 5 April to 8 April 2018.

Total venue arrangements for the BPCL stall was coordinated by the PR team led by Mr. George Thomas, GM(PR & Admin).





## Minister for Labour & Excise, Govt. of Kerala appreciates SDI-K

Mr. TP Ramakrishnan, Hon'ble Minister for Labour & Excise, Govt. of Kerala addressed the students of Skill Development Institute on his visit on 23 April. Mr. Prasad K Panicker, ED I/c (KR) & Member/Governing

Council & General Body of SDS-K, Mr. M V Prabhakaran, CGM (HR) & Secretary (SDI-K and Mr. Somasekar S, CGM (Advisory Engg) & CEO, SDS-K accompanied the Hon'ble Minister during his visit.

Hon'ble Minister appreciated the efforts by BPCL and shared that GoK would extend all support to carry out the upcoming expansion plans of Skill Development programmes at Ettumanoor.

## Augmenting security with vehicle identity stickers

Branded and bar-coded stickers for identifying employees' vehicles are being issued as part of a new initiative for augmenting safety and security of KR vehicles.

Mr. Murali Madhavan P, Chief General Manager (Operations) I/c inaugurated the distribution of these stickers by presenting the first one to Mr. B Mohan Ram, DGM(Employee Relations) I/c in the presence of Mr. Babukumar KG, DGM (Security Coordination). Employees are being given stickers for two-wheelers and four wheelers that are registered in their name.



Only vehicles with these official IDs are permitted to park in company designated parking areas.

The initiative identified by the KR Works Committee will augment security checks of vehicles

moving in and out of KR as well as those parked in designated areas across KR Campus. The initiative was implemented jointly by Public Relations, IS and Employee Relations with the Security team leading from the front.

## Ambedkar Jayanti celebrated at KR

The 127th Birth Anniversary of Dr. B.R.Ambedkar was celebrated by Federation of Central Govt. SC/ST employees (Kerala) BPCL KR Unit on 14 April at CR School premises.

Chief guest Mr. Murali Madhavan P, CGM (Operation) lit up the lamp and garlanded the statue of Dr. BR Ambedkar. "Dr. Ambedkar was a great visionary and as a national leader, he fought for the country's social upliftment and we all should learn from his life,"

he said. Others who spoke were Mr. P K Santhosh Kumar, General Secretary Federation of Central Govt.SC/ST Employees Kerala, Mr.Satheesan C, Vice President of the Federation, Mr.Anwar, Joint Secretary (CRWA), Mr.Mahesh Kumar B, and Mr. NM Murali. The federation members offered floral tributes and paid homage to the great leader.

Mr. K Ravi, President of the federation who presided over the function and Mr. T S Manoj Kumar, Secretary welcomed

the gathering. Mr. MA Santhosh Kumar, Joint Secretary proposed the vote of thanks.





## Fire Service Day at Kochi Refinery

**B**PCL (Kochi Refinery) observed the National Fire Service Day on 14 April, 2018 and various programmes were conducted during 14 - 20 April 2018 at the refinery and shore tank farm.

The observance was designed around this year's fire service day theme, *Fire Loss is National Loss, Adopt Fire Safety Measures*.

Mr. Murali Madhavan, CGM(O) I/c was the chief guest of the inaugural function on 14 April at Refinery Main Fire Station. The ceremony began with tributes to the brave firemen who lost their lives during the course of their duty.

CGM (O) I/C congratulated the KR fire crew for their dedication and valor in managing emergencies at our refinery in the past especially in the CDU2 column fire, ammonia incident at Willingdon Island and other offsite emergencies.

Mr. Naizu A.V. Chief Manager (F&S) welcomed the gathering and led the Fireman's Prayer for the gathering.

Mr. Arun Kumar Das, GM (F&S) gave a brief history and importance of fire service day. and importance of fire service day. Mr. Babu Joseph, CGM (Maint.), Mr. Karunanidhi T.V. GM (SHA) were also



**Murali Madhavan,**  
CGM(O) I/C



**Arun Kumar Das,**  
GM (F&S)



**Mr. Naizu A.V.**  
Chief Manager (F&S)



**Raja K. R. Nair**





present during the occasion. Mr. Raja K. R. Nair, Sr. Fire Operator proposed the vote of thanks.

After the meeting, the fire trucks were taken out in a procession around the Refinery and Shore Tank Farm. In the Shore Tank Farm Fire Station, Mr. Ramaswamy Pillai, Asst. Manager (OM&S), STF and Mr. Vinish Raj S. Manager (F&S) led the observances by sharing the importance of fire services day to the employees, contract workers and security staff.

Various competitions were conducted and prizes were distributed.

In connection with fire service week, spot quiz competition for CISF, live fire fighting training and SCBA set wearing competition for contract workers, rope rescue competition and HAZMAT ERV equipment identification competition for the fire crew, and spot quiz competition for employees was conducted for the employees at various locations and prizes were distributed at the Valedictory ceremony on 20 April.

The film 'Bhopal – A Prayer for Rain' was screened at the closing ceremony.





## Operating Procedures

Operating procedures are written instructions that list the steps for a given task and describe the manner in which the steps are to be performed. These documents also describe the process, required protective equipment, and associated risks and hazards.

The Operating Procedures element is the RBPS element that ensures proper development, timely maintenance, and consistent use of operating procedures. Operating procedures are normally used for safe start up, operation, safe shutdown and to control activities such as transitions between products, periodic cleaning of equipment, preparing equipment for maintenance, and other routine activities. However, they should also specify when an emergency shutdown should be executed, and should address special situations, such as temporary operations when a specific piece of equipment is out of service.

Providing operators with a complete set of procedures helps them understand the process, allows them to verify that appropriate controls are in place, and allows them to confirm that the process is responding as expected. Additionally, these documents also provide instructions for troubleshooting when the system is NOT responding as expected.

Operating procedures are normally developed before an operation is actually performed. A written procedure should be developed that establishes a

safe operating envelope and specifies any limiting conditions. Operating procedures are often jointly developed by operators and process engineers since operators are the individuals who directly control the process, and process engineers have a high degree of involvement and knowledge of process operations. Without written procedures there is no assurance that the intended procedures and methods are used by every operator in every situation, or that an individual operator will consistently execute a particular task in the intended manner.

Procedures should be reviewed periodically to ensure that they are still valid, and they should be updated whenever changes occur that affect operating methods or other information contained in the procedures. Operators, supervisors, engineers, and managers are often involved in the review and approval of new procedures or changes to existing procedures. Other work groups, such as maintenance, should also be involved if the operating procedures could potentially affect them.

The product of this element is current, accurate, and useful written instructions that apply to normal operations, non-routine or infrequent tasks, and special

high hazard tasks. In many cases, written procedures are developed for otherwise low risk or straightforward tasks that are critical to achieving production goals, or when a task includes a series of steps that involve multiple people or departments. This helps ensure that everyone understands their roles and responsibilities in the task and maximizes the efficiency of work processes.

In addition to being a useful guide to operators, written procedures also help provide critical information to the training element and provide the objective standards of performance required for implementing an effective operations element. While operating procedures are generally not designed to be training manuals, operating procedures should be written in sufficient detail that a qualified worker can consistently and successfully perform the task.

In general terms, to develop effective operating procedures, one should start by identifying the tasks that must be addressed. Once the tasks are identified, the next step is to determine the competence level for personnel who will be assigned to perform the task, and then structure each procedure appropriately.



## BPCL extends support for life saving technology at Gen Hospital Ekm.

Mr. Pinarayi Vijayan, Hon'ble Chief Minister of Kerala inaugurated the Linear Accelerator (LINAC), a modern radio therapy equipment for treatment of cancer at the General Hospital, Ernakulam. This will replace the Cobalt based radiation therapy at the hospital which was both outdated and had various side effects.

The LINAC is placed in a specifically designed building conforming to norms stipulated by the Atomic Energy Regulatory Board. The instrument that has been set up at a cost of Rs.14.0 crores will be a relief to over several thousand poor patients who undergo radiation therapy in Ernakulam.

Several Corporates including Bharat Petroleum has contributed to this life saving technology. As part of our CSR, BPCL has donated Rs.1.0 crore to this project.



## Cardiology Clinic at KR



Employees and their dependents on treatment for heart disease, high blood pressure and TMT positive cases attended the Cardiology Clinic organised at KR on 27 March 2018. Dr. Koshy Eapen, Cardiologist, Samaritan Hospital, Pazhanganad was the visiting specialist at the clinic that was open from 10.00 am to 1:00pm. Dr.NK Lissiamma, Chief Manager (Medical Services) and Dr.KG Francis Placidus, DGM(Medical Services) were also present.



# Jwala Dhwani

# ANNUAL CELEBRATIONS

The *JwalaDhwani* Annual meet is one annual event that the team looks forward to for celebrating the unique bonding, enhancing participation, energizing contributions devising new strategies and embracing new technologies for improving the key-connecting platform of Kochi Refinery- *JwalaDhwani*.

Individual events like *JwalaDhwani* Photography Exhibition, Annual Workshop, and finally the grand *JwalaDhwani* Awards Ceremony enriched the day in its own way. We bring you glimpses from the chain of events that gifted several memorable moments and enriched the Annual Day celebrations .



## JD Annual Workshop

Mr. Prasad K Panicker, Executive Director (Kochi Refinery) defined the new norm of the hash tag and urged the team to ride with the exponential change engulfing new media communication in his keynote address on "Positioning Brand Kochi Refinery through *JwalaDhwani* and Social Media with strategic content and response management". He was speaking at the Annual Day workshop for the editorial team and resource group members of *JwalaDhwani* and the members of the Digital Media team.

This was the first time that the two teams came together for a joint deliberation on strategies for communication thru traditional and new media. The workshop was organised as part of the *JwalaDhwani* Annual Review on 29 March 2018. Mr. George Thomas, GM(PR & Admin) and Mr. S Somasekhar, CGM Advisory Engineering Services & CEO of Skill Development Institute - Kochi also interacted with the team. After a thorough brain storming session, the team has come up with new plans including a unique radio channel for Kochi Refinery apart from documenting the journey of KR in short videos for the KR you-tube channel. The team is also planning more engagement programmes to enhance employee participation and motivate members of the resource teams as well as JD contributors.

Over the years and passing down several resource teams *JwalaDhwani* has established itself as a definite bonding platform for employees, but the search has begun for new ways to get people connected on social media. The team will deliberate and deliver more on these going forward.

# ANNUAL DAY CELEBRATIONS 2017

## JD Annual Awards

Over a hundred prizes were distributed at the *JwalaDhwani* Annual Awards by Mr. PS Ramachandran, Executive Director (Projects).

Winners of various contests organised by Kochi Refinery through *JwalaDhwani* and other national campaigns including the Women's Day celebrations were felicitated.

Mr. George Thomas, GM (PR & Admin) presented *JwalaDhwani-Energising Kochi Refinery* a collection of all editions of *JwalaDhwani* published in 2017-18 to the Chief Guest.

ED (Projects) also selected the lucky winner of the Women's Day Quiz that was organised on Kochi Refinery Face book.

Mr.G Sivaparakasam, Manager (P&CS) was selected in the lucky draw.

Apart from prizes, special coupons were given to all employees who have contributed in the Journal during 2017-18.

Fuel coupons from Retail (Kochi) were presented to creative content contributors who have made *JwalaDhwani* priceless with their photographs, paintings, sketches, articles and short-stories in different languages.



**BPCL Kochi Refinery Creative contributors and winners of various contests with Mr. PS Ramachandran, ED (Projects) and Mr. George Thomas, GM (PR & Admin) at the *JwalaDhwani* Annual Awards 2017.**





# Expressions by JwalaDhwani

## A poetic photo journey by KR

Mr. Prasad K Panicker, Executive Director, BPCL Kochi Refinery inaugurated the *JwalaDhwani* Photo Exhibition at Kochi Refinery on 29 March 2018. Amateurs, Professionals and ace photographers of Kochi Refinery exhibited their best shot of the year. Everybody was a winner, as each photo had a story to share. This unique collection has been crystallized in *Expressions by JwalaDhwani*, a Coffee Table book of photos by KR Employees which was released on the occasion. In the foreword given by Mr. MV Prabhakaran, CGM(HR) & Editor, *JwalaDhwani* he shares that *Expressions* is a poetic journey by photography enthusiasts of Bharat Petroleum Corporation Limited Kochi Refinery.

Capturing the mundane and colourful slices of life; the never ending mysteries of Nature that baffle both the eye and the intellect; and complex realities that hit us hard in black and white, is indeed an art.

Amongst us are gifted artists, amateurs and professionals with the Camera who share their knowledge and passion through Life Stills Photography Club, a passion group in Kochi Refinery. There are few who have their own personal treasury of priceless images.

We are happy that many share them in *JwalaDhwani*, adding tremendous value to the journal and joy to the beholder. *Expressions*, will be an annual publication by *JwalaDhwani* to include the best shots by



Mr. Prasad K Panicker ED (KR) and Mr. George Thomas GM (PR & Admin) with the photography enthusiasts of Kochi Refinery





photography enthusiasts of Kochi Refinery with a dedicated space for Women Perspectives too. Our simple objective with this photo-journey is nothing but Energising Talent

Mr. George Thomas, General Manager (PR & Admin) presented the inaugural issue to ED (Kochi Refinery). As expressed in the Foreword given by Mr. M V Prabhakaran, Chief General Manager (HR), the simple objective of the Photo Journal and the exhibition is to Energise Talent.

The cover-photo of this issue of *JwalaDhwani* has one of the photos from Expressions. The exhibition had photos from Archana AV (P&CS), George Philip

(HSE), Kumar Saurav, (P&U), Sasidharan K (HR), Sohan Dey, (Mfg), Ajaykumar N (E&C), Bijoy K.I (Maint), Elizabeth Davis (HR), Mahesh Vijayan (OM &S), Manu Issac (Mfg) Nagaraj S (P&U), Prasanth K.S.(Projects), Rajesh Kumar P (P&U), Sanjo Cherian (P&U), Shiju P.K. (Mfg), Stebimon K.D. (P&U), Vijayakumar S (Projects), Praveen Kumar (HR), Anu Appukuttan (Projects), Kavitha Mathew (HR) and Latha Kamath (HR), many of whom are members of the Life Stills Photography Club of BPCL Kochi Refinery.

Coordinators Mr. Praveen Kumar, Senior Manager (HR) & Member (Life Stills) and Ms. Kavitha Mathew, Asst Manager (PR) also spoke on the occasion.



35 Years



**Vijayan N**  
OM&S

30 Years



**Udhayakumar T**  
OM&S

25 Years



**Tamaraiselvan M**  
MAINTENANCE

20 Years



**Suvitha C**  
HR



**Gopalakrishnan V**  
OPERATIONS



**Roshni L**  
PROJECTS - C&S



**Bindu S**  
P&CS



**Saji Kumary P K**  
P&CS

SUPERANNUATION



**Ms. Kumari Latha P.V.**  
who joined KR in Accounts department in May 1981 is retiring from the Finance department.



**Mr. Mani KKS**  
who joined KR in Manufacturing department in September 1984 is retiring from the Projects units department.



**Mr. Venugopal S**  
who joined KR in Projects department in March 1982 is retiring from the Legal department.



**Mr. Somasekhar S**  
who joined KR in Maintenance department in December 1984 is retiring from the Advisory Engineering department.



**Mr. Manoharan V**  
who joined KR in Operations department in May 1982 is retiring from the OM&S department.



**Mr. Cherian M.K**  
who joined KR in project department in June 1985 is retiring from the same department.



**Mr. Raveendran Pillai N**  
who joined KR in Maintenance department in February 1983 is retiring from the same department.



**Mr. Nandakumar V**  
who joined KR in Maintenance department in August 1985 is retiring from the E&C department.



**Mr. Premchand B**  
who joined KR in S&OM department in November 1983 is retiring from the OM&S department.



**Mr. Paulose K.V.**  
who joined KR in Maintenance department in January 1987 is retiring from the Same department.



**Mr. Chandramohan V.**  
who joined KR in Materials department in July 1990 is retiring from the Projects department.



**Mr. Nandakumar KG.**  
who joined KR in Technical Service department in January 1991 is retiring from the Advisory services department.



**PROMOTIONS**
**CHIEF GENERAL MANAGER**

**SURESH JOHN**  
PROJECT - PETCHEM

**SUBRAMONI IYER M R**  
(MANUFACTURING)

**DEPUTY GENERAL MANAGER**

**THEO RAJAN**  
(E&C-DESIGN-MECH)

**SREEKUMAR R S**  
(FINANCE)

**SHIBU MANI**  
(EMPLOYEE RELATIONS)

**THIRUNAVUKKARASU S**  
(INTERNAL AUDIT)

**JAYAKUMAR I**  
(MAINTENANCE)

**JAYASANKAR P**  
(UTILITIES)

**JOSE V KARENTHANAM**  
(PROCESS OPTIMIZATION)

**SARATHCHANDRA BABU K**  
(QUALITY MANAGEMENT)

**RAMESH K**  
(E&C-INSTRUMENTATION)

**GENERAL MANAGER**

**SATHYAN V**  
(INSPECTION)

**SREEKUMAR R**  
(PRODUCTION  
PLANNING) I/C

**SHELLY ABRAHAM**  
(PROJECT TECHNICAL)

**RAVI K**  
(PROJECTS)

**KARUNANIDHI T V**  
(SHIFT ADMN)

**ARUN KUMAR DAS**  
(FIRE & SAFETY) I/C

**JOHNSON K**  
(PROJECT-PETCHEM)

**SHANKAR P V**  
(INSPECTION)

**FRANCIS PLACIDUS K G**  
(MEDICAL SERVICES)

**RAVI KUMAR K P**  
(P&CS)

**PROMOTIONS**
**NON-MGMT**
**OPERATOR-A (OM&S)**

Emmanuel V T, Joseph M M, Joy P J,  
Joseph K K, Anil Kumar N P,  
Jeevakumar M, Salim K K,  
Rajeev P D, Sathyan K K, Vinod E

**TRANSFERS**
**D.G.M**

**PRODUCTION PLANNING** - Sridhar K

**Manager**

**MAINTENANCE** - Shankar G S

**CHIEF MANAGER**

<b>AUDIT</b> - Mohan Varkey	<b>P&amp;CS</b> - Venugopalan V M
<b>E&amp;C</b> - Sasi P K	<b>PETCHEM</b> - China Mothi Lal Ketavath
<b>ELECTRICAL</b> - Gopakumar K	<b>PROCESS ENGINEERING</b> - Mahesh Kumar B, Navinraj S
<b>ENERGY</b> - Madhu K M	<b>PROJECT - PETCHEM</b> - George Simon K J
<b>HRD &amp; LABOUR WELFARE</b> - Fathima Shabnam A C M	<b>QUALITY CONTROL</b> - Adalazhagan K
<b>MAINTENANCE</b> - Sahaya Libin Ment D, Raman R	<b>UTILITIES</b> - Gopi T M
<b>INSPECTION</b> - Ananda Babu B, N Jayaprakash, Mahesh S	

**CHIEF FINANCE MANAGER**

Jenny C L

**SR. MANAGER**

<b>ESTATES</b> - Anthony Soloman	<b>MANUFACTURING</b> - Manika Rajasekhara Babu, Naveen V Nair, Vijayakumar P, Ramesan P R
<b>PROJECTS</b> - Sandeep Kumar K, Ashok Kumar S	<b>OM&amp;S</b> - Rajesh K
<b>MAINTENANCE</b> - Shankar G S, Ashwin V, Viji Joseph	<b>SYSTEMS</b> - Binu R
<b>HRD</b> - Aswathy Karthikeyan	<b>ELECTRICAL</b> - Radhakrishnan M, Ravinder R.

**MANAGER**

<b>ESTATES</b> - Muralidharan Nair A	<b>OPTIMISATION</b> - Jeena Mary Sajeev
<b>FIRE &amp; SAFETY</b> - Vinish Raj S	<b>PROCESS ENGINEERING</b> - Pratik Sambrani
<b>INSPECTION</b> - H C M Gowd	<b>PROJECTS</b> - Ankit Kumar Dahiya
<b>MANUFACTURING</b> - Vignesh S, Vinod E K	<b>QUALITY CONTROL</b> - Manuel Joseph C , Anilkumar V
<b>OM &amp; S</b> - Ranjith T P , Vinodkumar V, Sivasankaran M T, Santhoshkumar K V	<b>UTILITIES</b> - Rooshy K Peter , Senthilkumar A

**ASSISTANT MANAGER**

<b>ADMINISTRATION</b> - Saroja M	<b>FIRE &amp; SAFETY</b> - Mohammed Fasil M, Sarwesh Kumar
<b>FINANCE</b> - Sreekumar P P	<b>INSPECTION</b> - Eldhose John
<b>MAINTENANCE</b> - Aison Joseph, Anoop Sukumaran, Vaisakh A Menon, Sachin Vallikalayil Mathew, Ajay Murali, Vaishakhan V S, Suresh Babu R, Badarudheen M N	
<b>MANUFACTURING</b> - Basith Zohail N, V Rinesh R Nair, Charukesh NRB, Neelabh Sudhanshu Upadhyay, Parvesh Kadiyan, Adharsh R, Manu Antony, Rameshbinu NN, Saurabh Gupta, Diptadeep Paul, Sriram V, Bodduru Anil, Hashim Hameedpv, Mohamed Swalih P, Sandeep Paul Francis, Prashant Kumar Verma , Avishek Poddar, Subhabrata Sen, Himanshu Kumar Gupta, Deepak Singh, Divyanshu Dubey, Vinay Bhadouriya, Sumit Singh, Fazil Ahamed N, Sohan Dey, Ajikumar P K, Jomon M C, Saurav Garg	
<b>OM&amp;S</b> - Immanuel C Thambi, Sarath Babu, Baburavu T K , Rejukumar N K, Mohanrao K	<b>P&amp;CS</b> - Gopinathan M
<b>RECRUITMENT &amp; PROMOTION</b> - Dinesh S B	<b>QUALITY CONTROL</b> - Jayendran Nair M K
<b>UTILITIES</b> - Arjun Mahesh V M, Nithin Thoppil , Rahith T , Geo Geordy, Antony Fabin V S, Venkataramana M, Sreeni K, Jibin T K	



## Ambassadors of Enterprise Singapore at SDI-K

A group of Ambassadors from Enterprise Singapore, a Singapore Government Agency campaigning enterprise development globally along with delegates from the Strategic Association of Professional Training-Consulting Organisations (SAPTCO) established by a group of skills training organisations and professionals in the training and adult education and consulting industry that are passionate and believe to learn, share and grow.

Their organizations together visited SDI-K on 19th April 2018. The dignitaries went around SDI-K and had discussions with the SDS team in developing close partnership with our Institute.

Mr Tan Shuo Xian, Mr. Kelvin Woon, Ms Joanne Archana Bala - (Mission Officials -all Development Enterprise Partners) and Skill delegates - Mr. Anderson Tan , Director Xprienz Pvt Ltd - The Mission Leader; Mr. Serene Tay ,

Director Ascendo Consulting Pvt Ltd; Mr.Irdis Malim CEO Eduquest International Institute Pvt Ltd; Mr. Ben Chong, Director Global Training service Pvt Ltd; Ms. Alice Chong , Business Dev Manager, POH WAH Scaffolding & Eng Pvt Ltd; Mr. Yvette Chiang, Principal, Singapore Spa Institute, Mr. Cheng Hong Siang , Business Director, Skill SG Pvt Ltd and Mr.Jaclyn Lian Beng Eng, Trainer & Consultant visited the state of the art Skill Development Institute in Kerala.

## SAFETY WINNERS

Congrats to winners of the safety week online contests organised by Dept. of Factories & Boilers, Govt of Kerala.

They were felicitated at the event organised in Kozhikode.



M.T. Mani / P&U  
(Essay Writing) First



A.N. Vijayan / Finance  
(Essay Writing) Second



Sankaranarayanan / P&CS  
(Poetry) First



Varun M. /QC  
(Poetry) Second

## Congratulations

**Mr Sangeeth Gopi G.S.** / Maint has successfully completed AMIE in Mechanical Engineering from The Institution of Engineers (India).



## OBITUARY

We deeply mourn the sad demise of **Mr Velayudhan PM** who passed away on 8 April 2018. He retired from the service of Kochi Refinery in January 2010 from Power and Utility department. He survived by his wife Mrs. Padmini, son Krishnakumar & daughter Krishnapriya.



## CONDOLENCE

Mr Rajan CK/P&CS on the sad demise of his mother.

## Outbound Training of Quality Circles

Recently the Quality circle Teams – Flare (OM&S), Boss (OM&S), Techon (Maintenance) and Spectrum (Maintenance) who had bagged prizes in National /State conventions during 2016 and 2017 attended an outbound training at Munnar. Programme was aimed at enhancing Team Building, Leadership Skills, Communication & Collaboration, Management Skills & Conflict resolution skills.



### BOSS (OM&S)

Anand R (Facilitator)



Venugopal V K



Jaico George M



Sebastian P J



Rajesh K D



Santhoshkumar C



Noby Mathew



### TECHON (Maintenance)

Johny Jacob (Facilitator)



Rajeendran P K



Paulose V P



Rockey Vinoj



Anto T K



Shibulal G



Boss and Techon had participated in the Case Study Presentation held as part of "National Convention on Quality Concepts" at Mysore from 1 to 4 December, 2017 and bagged the awards



### Congratulations Team BPCL

38th PSPB football tournament hosted by Numaligarh Refineries Limited Assam from 21 to 25 November. BPCL defeated NRL in losers final and became second runners up. This year Oil India

Assam was the winner. 6 Members from Kochi refinery were in the all India BPCL team. K.D. Rajesh (OM&S), Santhosh Kumar, Afreedin Vahab (F&S), Shiju Alias (Q.C), A.V.Arun, P.K. Shiju, Rahul Vijayan

(Manufacturing). This year Shiju Alias was the captain of the team and A.V. Arun became top scorer of the tournament. Former Indian captain Amith Bhadra was the coach of the team.



## Superwoman

**B**eep! Beep! Beep! It was 4 a.m. Both their alarms rang in unison. With her eyes half open, she swiped the screen to turn off the alarm. He, rather chose to snooze it! No matter how much she craved for those extra ten minutes of sleep, she had to wake up as she was the "WOMAN" of her family. A busy day was awaiting her. This had become her routine. A quick prayer to God to bless her family with good health, she is off to kick-start her day.

Even though she was no Goddess Durga with ten hands, she was a multitasker. Her husband loved dosas, while her father-in-law always preferred hot steaming idlis. Her kid loved noodles and she loved making sure that everyone got what they wanted. As she starts preparing coffee for everyone, she finds that there is a shortage of milk. She decides to skip her cup of coffee so that everyone else had their cups full. While helping her kid get ready for school, her husband yells, "Heyyy! Bring my

towel". As usual she runs to hand over his towel that is just 2 feet away from the bathroom. As her father-in-law opens the door to take her kid to the school bus stop, she just stops for a second, hugs her tight and advises her to behave well in school. She bids farewell to her kid for the day by planting a goodbye kiss on her forehead. The kid waves back at her with a cute smile that makes her day!

"I'll eat breakfast from outside. I am already late!", says her husband as he packs his laptop bag. She runs to the kitchen and brings a plate of his favourite breakfast, dosa and sambar. She pleads him to eat at least a little. He takes his first mouthful and moans, "Ughh, there is no salt in this!!" She quickly apologizes and fixes the sambar by adding a pinch of salt. He then happily eats his breakfast and leaves home for office. As she waves him Goodbye, she says with a gentle smile, "I have packed your favourite bhindi fry for lunch! Make sure you don't skip your meal. Eat on time. Meetings can wait! :)". She then gets ready in a jiffy and is on time for her office cab.

As a proud team leader, she presents the product developed by her team to her client. They are in awe. It was a tough project and little did the client expect them to deliver it on time. Yet, she did it. The product was delivered with quality as per the client's expectations and they were more than happy.

She comes back home to find her daughter busy doing her homework. On seeing her mother enter through the door, the kid runs towards her with excitement and starts sharing her stories that happened at school that day. After spending some time with her daughter, she asks her to finish off her homework and revise for the exam the next day. While she prepares roti and dal for dinner, she asks a few questions from over the kitchen to ensure that the kid is in fact studying! Everyone sits around the table for the first time in the day. They all have a hearty meal. All of them share their stories. This was the time of the day that she looked forward to everyday. She then puts her kid off to sleep and gives her father-in-law a warm glass of turmeric milk. Time flies somehow and it is almost 11 p.m. Exhausted, she yawns deeply. While her husband is busy watching his favourite football team's match, she slowly crawls into her bed and falls asleep in no time.

Beep! Beep! Beep! It was 4 a.m. With her eyes half open, she turned off the alarm. A quick prayer to God to bless her family with good health, she is off to kickstart her day. She is a SUPERWOMAN and is none other than your mother / wife / sister / daughter. She defines you! Take time to appreciate her and embrace the efforts she puts for you. Her presence might not make a big difference to you, but her absence, definitely will.



**Niranjana Sivaprakasam**  
D/O G. Sivaprakasam P&CS

## Farewell

The teachers Mrs. Layyoni Scariachan, Mrs. Dersana Nair and Mr. Abdul Latheef who attain superannuation this year were given a farewell by the School Management on 14th March, 2018. The Principal Mrs. Mala B. Menon welcomed the gathering. The School Board Chairman Mr. M.V Prabhakaran, (Chief GM, HR), offered his felicitations and honoured the teachers with mementoes. The school coordinator Mr. Praveen Kumar was also present for the



function. Mrs Vilma Jaims, Mrs. Minna Kareem and Mr. Stanley Arun felicitated the retiring teachers.

A scintillating dance and a

musical medley by the teachers added vibrance and colour to the occasion. Mrs.Premalatha Shaji proposed the vote of thanks.

## Reaching out

The students of Std. XI undertook community service by spending a day at Tabitha Old Age Home, Chitrapuzha on 12th March 2018. 39 students accompanied by 5 teachers succeeded in bringing smiles

and cheer to the inmates through their voluntary service. The group was divided into four sub groups with specific tasks such as sprucing up the garden, interacting with the inmates, community cooking and painting the walls of the home. Mrs. Layyoni Scariachan planted a sapling to mark the visit of the Refinians. The teamwork highlighted the

unity and sincerity of the students as they displayed values of compassion, care and concern for the elderly. Mr. Shine P Jose who led the team was assisted by Mrs. Anju.B, Mrs. Kanchana, Mrs. Layyoni Scariachan and Mrs.Vilma Jaims.



## Colours

If you ask me about colours  
Here's what I'll say  
Red is hot tempered  
always give him way  
Pink is playful, innocent and cute  
Oh! here come's purple playing  
His flute  
Black is funny and smart  
He is the master of the band  
Green is courageous,  
confident and grand  
Yellow is stylish,  
talented and clever  
Blue is the sky  
that lasts forever.



**Jia Ann Mathew (Std IV)**  
SH CMI Public School, Thevara  
D/O Kavitha Mathew / HR





## Cyber security workshop for school students

Cochin Refineries School in association with Amrita Centre for Cyber Security Systems & Networks, conducted a two day workshop on "Cyber Security" for school students. The workshop was designed with a view to address two groups of students: Middle school (Track 1) and Senior School students (Track 2).

The Track 1 workshop was held on 7th & 8th April 2018 (Saturday & Sunday) at Cochin Refineries School, Ambalamugal. Adv. D Prem Kamath, Lawyer, High Court of Kerala ,Senior Cyber Law Consultant was the Chief Guest for the event. Students from over 20 schools of Ernakulam attended the workshop. Track 2 will be a two day residential camp at the Amritapuri Campus during the last week of April.

This workshop is a part of project BIKOS (Better Internet for Kids Online Safety) an initiative of Cochin Refineries School with an aim to sensitize school students on Cyber Safety and drafting a Cyber Policy for

schools. The project started with 15 schools and presently there are more than 30 schools who are members of project BIKOS. Project Coordinator, Mrs. Premlata Shaji, Cochin Refineries School, highlighted that the project had gone through 5 phases involving different stakeholders of the society – Principals, Parents, Students, School counsellors, Psychologists, Representatives of Law & Order Dept, academicians, Cyber law consultants, NGOs etc. and culminating to the 6th Phase of sensitizing children on Cyber Crimes – phishing, cyber stalking, hacking, identity theft, Cyber bullying, Sex ting etc.

Workshop Advisor Prof. Anand Shenoi & Coordinator Prof. P.K. Binu from School of Engineering, Amrita Vishwa Vidyapeetham, Amritapuri Campus, mentioned the sessions will touch upon cyber security awareness as well as its tools & techniques.

The team headed by Asst. Professor & Senior Researcher Mr. Vipin Pavithran, Research

Associate Mr. Bithin Alangot and Team bi0s who is ranked No.1 in India by NIRF 2018 conducted the workshop. The focus was on online threats, searching internet effectively, pitfalls of technology, securing mobile devices, phishing attacks, CTF events, introduction to cryptography etc.

An overview of Web app security, Android security, reverse engineering, cyber forensics and hardware security was also discussed.

A workshop of such content, is first of its kind for school students of Ernakulam.

The take away of the workshop was practical tips to help children "Stay safe online" and do their part in the fight against cyber crime including where to report crimes.

It also aimed to being updated on potential threat, that digital crime poses, the impact it can have , and what is being done and what can be done about it, thus creating an awareness of a "Secure cyber ecosystem" .



## मेरा गाँव

बचपन में अपनी दादी से कहानियाँ सुना करता था। वह ज़्यादातर गाँव और उसकी खूबसूरती का वर्णन करती थी। वहाँ के लोगों की सादगी, उनका रहन-सहन, उनके पोशाक कैसे होता था, यह सब मुझे बताया करती थी। उनकी कहानियाँ सुन सुनकर गाँव का एक चित्र मैं ने अपने मन में रचाया था। बड़ा होकर मैं भी गाँव में बसेरा करने का निर्णय लिया। शहर के शोर, गाड़ियों की लम्बी प्रदूषित हवा, गन्दगी- इन सबसे मैं तंग आ चुका था। पिताजी ने बताया था कि स्कूल की परीक्षा के बाद गर्मी की छुट्टियों के दिन वे हमें अपना गाँव ले जाएंगे। यह सुनकर मैं खुशी से उछल पड़ा। मैं खुशी से फूला न समाया। मेरी खुशियाँ सातवाँ आसमान छू गईं। परीक्षा खतम होने की प्रतीक्षा में मैं दिन गिनने लगा। आखिर वह दिन आ गया। मैं स्कूल से आते ही अपना सामान बटोरने में लगा, जिन्हें गाँव ले जाना था।

गाड़ी शाम की थी। मैं ने कभी रेलगाड़ी में यात्रा नहीं की थी। बड़ी उत्सुकता के साथ गाड़ी में चढ़ कर बैठ गया। एक तरफ चाय वाला चाय पूछने लगा तो दूसरी तरफ वड़ा और मूँगफली ! मैं ने अपने पिताजी से मूँगफली खाने की इच्छा प्रकट की। लेकिन उसने मना कर दिया। तरह तरह के लोगों से रेल डिब्बा भर गया। रेलगाड़ी अपनी सफर पर निकल पड़ी, जैसे मैं निकल पड़ा था। यात्रा के दौरान कई तरह को लोगों से भेंट हुई। एक महाशय खुद अपने समाचार पत्र खरीदे बिना दूसरों से अखबार लेकर पढ़ता था। कुछ महिलाएं गप्पे मार रही थीं। छोटे बच्चे रो रहे थे। इनमें से एक महाशय पर मेरी नज़र पड़ी। ऐसा लगा कि वह किसी बात से दुखी था। वह मौनव्रत धारण करके एक कोने में बैठा था। उसे

देखकर लगा कि वह कई दिनों से नहाया नहीं। रेलगाड़ी अपनी धुन में पटरी पर आगे बढ़ रही थी। मैं उस आवाज़ का आनंद ले रहा था।

मेरे पिताजी उस मौनव्रत धारण किए हुए आदमी से बातें करने लगा। मैं ने देखा तो वह बड़ी आसानी से बाबुजी के प्रश्न के जवाब दे रहे थे। उनकी बातों के बीच मैं मैंने सुना की वह किसी गाँव का रहनेवाला था। उनके गाँव में पानी की दिक्कत थी और लोगों को मीलों चलकर पानी लाना पड़ता था। वह आदमी गाँव का मुखिया था। जंगलों के बीच में से गुज़रकर उनको जाना पड़ता था पानी लाने के लिए। इस समस्या का हल ढूँढ नहीं पा रहा था। यह सुनकर मैं थोड़ी देर के लिए चिन्तित रहा। मेरे मन में भी एक सवाल उठा। यहाँ शहर में नल खोलने से पानी आ जाता था। किसी को कोई दिक्कत ही नहीं था। मैं ने बाबुजी से पूछा कि क्या अपने गाँव में भी स्थिति ऐसी ही है। बाबुजी ने दिलासा दी कि गाँव में हमेशा पानी रहता था। लेकिन पिताजी के गाँव जाकर कई साल बीत गए। वे वहाँ की हालात से बिलकुल अनजान थे।

गाड़ी स्टेशन पर आ रुकी। स्टेशन पहुँचने के पहले से ही गरम हवा का अनुभव होने लगा। वहाँ के पेड़ पौधों में जान ही नहीं थी। लोग बैल गाड़ियों में पानी कहीं से भरकर ले जा रहे थे। यह देखकर गाँव का जो चित्र मैं ने अपने मन में बनाया था, उसे हल्के से पोंछने लगा। मेरे पिताजी भी गाँव की हालात देख आश्चर्यचकित रह गया। हम उनके पुश्तैनी घर में जाकर रहे। थोड़ा बहुत सफाई का काम था, जो हम दोनों ने मिलकर किया। लेकिन अब पानी की आवश्यकता पड़ी। एक कुआँ था, जो भी सूखा पड़ा था। खाना तो खरीद सकते

थे, लेकिन नहाने के लिए पानी एक समस्या था। औरों की तरह हमें भी दूर जाकर पानी लाना पड़ा।

उस गाँव में किशोर नाम का 10 साल का लड़का रहता था। मैं उस से दो साल बड़ा था। थोड़े ही दिन में हम दोनों अच्छे दोस्त बन गए। उनके साथ बैलगाड़ी में बैठकर मैं भी निकल पड़ता था पानी लेने के लिए, शाम को वापस लौटते थे। पानी लाने में ही पूरा दिन निकल जाता था। मैं ने अपने दोस्त से पूछा कि इस बीच वह पढ़ाई के लिए वक्त कैसे निकालता है? उन्होंने बताया कि यह तो उनके रोज़ का काम था और उसने इस हालात को मन से स्वीकार कर लिया था। थोड़े दिन के लिए मुझे यह अच्छा लगा। फिर बाद में मैं कभी कभी ही निकल पड़ता था।

गाँववालों की हालत देख मुझ से रहा नहीं गया। अपने बाबुजी से मैं ने पूछा कि क्या वह पानी के विषय में कुछ कर पाएगा या नहीं। उसने कोशिश करने का वादा किया। गाँववालों को इकट्ठा करने में मैंने अपने पिताजी की सहायता की। पन्चायत बुलायी गयी और पानी का प्रस्ताव रखा गया। बाबुजी ने कई सुझाव दिए, जिनमें से एक को उन लोगों ने स्वीकार किया।

जो गाँव का एकमात्र कुआँ था, उसकी सफाई की गई और गहराई बढ़ा दी गई। पानी धीरे धीरे से कुएं में भरने लगा। गाँववालों के मुखड़े पर की खुशी और मुसकुराहट देखने लायक थी। मैं भी खुशी से नाचने लगा, जैसे मुझको ही अनमोल तोफ़ा कुछ मिला हो। फिर थोड़े दिन बाद एक बोरवेल भी खोदा गया। उसमें से भी पानी आने लगा। हर एक घर में एक नल भी लगा दी गई ताकि गाँववालों को फिर से

कोई तकलीफ न हों।

अपने घर में भी एक नल पाकर किशोर खुशी से नाचने लगा। उसने नल खोला तो उसमें से पानी आते देखकर वह खुशी से इधर उधर दौड़ने लगा। मुझे भी बहुत संतुष्टि मिली। गाँववालों ने पिताजी की शुक्रिया अदा की। मैं ने एक कोने में खड़े पिताजी के चेहरे पर वह मुसकुराहट देखा। दो महीने कैसे कट गया पता ही नहीं चला। गाँववाले सिंचाई भी करने लगे। गांव थोड़ा थोड़ा करके हरा-भरा होने लगा। मेरे मन का चित्र फिर से हरा बन गया।

जाने का वक्त आ गया। बहुत भारी मन से मैं स्टेशन की ओर निकल बड़ा। वहाँ के लोगों का प्यार देखकर मेरी आँख नम हो

गई। पूरा गाँव हमें छोड़ने स्टेशन आया। किशोर जो मेरे सबसे अच्छा मित्र बन गया था उसकी समस्या का समाधान भी मिल गया और वह भी स्कूल जाकर पढ़ाई कर सकता था। मैं छुट्टियाँ में किशोर से गाँव वापस आने का वादा करके गाड़ी में चढ़कर बैठ गया। अभी पहुँचना था मुझे शहर, उसी प्रदूषित हवा और गन्दगी में!



शिवलीला एल/  
वित्त विभाग

## पेट्रोलियम शब्दावली

Needful - वांछित

Name Plate - नाम पट्ट

Named - नामित

Namely - अर्थात्

Narration- व्याख्या, वर्णन

Narrow escape - बाल बाल बचना

Nationalization- राष्ट्रीयकरण

Native place - मूल निवास स्थान

Natural- प्राकृतिक, स्वाभाविक

Natural resources - प्राकृतिक साधन

Natural calamity- प्राकृतिक विपत्ति

Nature of work - कार्य का स्वरूप

Near future - शीघ्र ही

Near relative - निकट संबंधी

Nebulous - अस्पष्ट

Necessary - आवश्यक

Necessary action - आवश्यक

कार्रवाई

Need based approach -

आवश्यकता आधारित दृष्टिकोण

Needful - वांछित

Negative - नकारात्मक

Negative Trend - उल्टी प्रवृत्ति

Neglect - उपेक्षा, लापरवाही

Negligence - प्रमाद, उपेक्षा

Negligible - नगण्य

Negotiation - बातचीत



Net amount - वास्तविक मात्रा

Net result - अंतिम परिणाम

Net weight - निवल वज़न

Net work- निवल कार्य

Neutral - तटस्थ

Neutralise - निष्प्रभावित करना

Night shift - रात की पारी

Nil report - शून्य रिपोर्ट

No admission - प्रवेश निषिद्ध

Nominal - सांकेतिक, नाममात्र

Nominal rent- नाममात्र किराया

Nominal value - अंकित मूल्य

Nomination - नामांकन

Nominee - नामिती

Non negotiable - अपरक्राम्य

Non plan - गैर योजना

Non working day - अवकाश का दिन

Non compliance- अपालन



## दौड़

'अरी जल्दी चल,  
न रुक आगे बढ़'  
स्कूल जाते समय माँ बोली,  
नहीं तो हो जाएगी बस मिस।

'इधर उधर न देख  
जल्दी कर, समय न गँवा'  
पढते समय बापू बोले,  
नहीं तो न होगी सफल।

'अरे तेज़ दौड़, मंज़िल की ओर  
बहुत दूर है, रफ्तार बढ़ा'  
स्कूल में अध्यापक बोले,  
न हो सकोगे तुम काबिल।

'अरे प्रतियोगिता मज़बूत है  
तेज़ कर, निष्पादन बढ़ा'  
कंपनी में बॉस ने कहा,  
नहीं तो न मिलेगी पदोन्नति।

हाँ दुनिया तेज़ दौड़ रही है  
आज के खरगोश सोते नहीं  
कछुए रोलर स्केटर लगाये हैं  
सब उतावले हैं लक्ष्य तक पहुँचने।

इस दौड़ में सब भूल जाते हैं  
जीने के लिए, समय ढूँढने  
अपने लिए, अपनों के लिए  
इस मंज़िल की ओर रफ्तार में  
अरे मानव, भूल न जाओ  
जीने के लिए.....



दुर्गा प्रिया जी/  
पी & सीएस



# മധുസൂദനൻ ആചാരി വിരമിക്കുന്നു.

ശ്രീ മധുസൂദനൻ ആചാരി 1981 ജൂലൈ മാസം 27-ാം തീയതിയാണ് കൊച്ചി റിഫൈനറിയുടെ HR വിഭാഗത്തിൽ ജോലിയിൽ പ്രവേശിക്കുന്നത്. 1982-ൽ OM&S ഡിപ്പാർട്ടുമെന്റിലേക്ക് ട്രാൻസ്ഫർ ആകുകയും നാളിതുവരെ OM&S -ലെ വിവിധ സെക്ഷനുകളിൽ ജോലി ചെയ്യുകയും ചെയ്തു. OM&S-ലെ എല്ലാ മേഖലകളിലും കർമ്മനിരതനാകുവാൻ സാധിച്ചു എന്നത് അഭിമാനപൂർവ്വം ഇദ്ദേഹം സ്മരിക്കുന്നു.

OM&S വിഭാഗത്തിലെ തന്റെ സേവനകാലത്തിൽ കൂടുതൽ സമയം TFMC യിൽ ആയിരുന്നു. TFMC-യിലെ മേലുദ്യോഗസ്ഥരുടേയും സഹപ്രവർത്തകരുടേയും പൂർണ്ണ സഹകരണം തന്റെ ജോലി ആത്മാർത്ഥതയോടെ നിർവ്വഹിക്കാൻ സഹായകമായി എന്ന കാര്യവും ഇദ്ദേഹം സ്മരിക്കുന്നു. റിഫൈനറിയുടെ മറ്റു വിഭാഗങ്ങളുമായും, Irimpanam Installation, IOCL, HPCL എന്നിവിടങ്ങളിലെ ഉദ്യോഗസ്ഥരുമായും ദൈനംദിന കാര്യങ്ങൾക്കു വേണ്ടി സംബർക്കം പുലർത്തിയതിനേയും ഇദ്ദേഹം ഓർക്കുന്നു. സർവ്വീസിൽനിന്നും പൂർണ്ണതൃപ്തിയോടെയാണ് ഇദ്ദേഹം വിരമിക്കുന്നത്.

ശ്രീ മധുസൂദനൻ ആചാരി

കൊല്ലം ജില്ലയിലെ ആവണീശ്വരം സ്വദേശിയാണ്. ശ്രീമതി മിനിയാണ് ഇദ്ദേഹത്തിന്റെ ഭാര്യ. ഇവർക്കു രണ്ടു കുട്ടികൾ, മകൻ ഹരികൃഷ്ണൻ M.Tech ബിരുദധാരിയാണ്. മകൾ മീര LLB അവസാന വർഷ വിദ്യാർത്ഥിനിയാണ്. സേവനത്തിൽ നിന്നും വിരമിച്ചശേഷം എറണാകുളത്തു തന്നെ വിശ്രമജീവിതം നയിക്കുവാൻ ഇദ്ദേഹം ആഗ്രഹിക്കുന്നു.

ശ്രീ മധുസൂദനൻ ആചാരിക്കും കുടുംബത്തിനും ജാലധാനിയുടെ സകലവിധ ആയുരാരോഗ്യസൗഖ്യങ്ങളും നേരുന്നു.

**വിലാസം**

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സുരേഷ് ബാബു  
ഒഎം ആന്റ് എസ്



# മൂന്നു കവിതകൾ

**തണൽമരം**

പൊള്ളുന്ന വഴികളിൽ  
അവൾക്കിഷ്ടം  
തനിയെ നടക്കാൻ.  
പക്ഷേ, വഴിയരികിലെ  
തരുവിൻ തണൽ  
വേണ്ടെന്ന് ചൊല്ലുന്നതെന്തിന്?

**സ്നേഹപുഴ**

രണ്ടുപേർക്കിടയിൽ  
ഒരു പുഴയുണ്ടത്രെ.  
ആ പുഴ സ്നേഹമാണെന്ന്.  
പുഴ വറ്റിയപ്പോഴാകട്ടെ  
ഇരുകരകൾ ഒന്നായി!!

**രഹിതം**

ചമയങ്ങളില്ലാത്തതായിരുന്നു  
എന്റെ ഭവനം.  
അങ്കിയാകട്ടെ വർണ്ണ രഹിതം  
എന്റെ ആകാശത്ത്  
നക്ഷത്രങ്ങളില്ലായിരുന്നു,  
ഉറക്കത്തിലാകട്ടെ സ്വപ്നങ്ങളും.  
കാരണം, ഒന്നേയുള്ളൂ  
ജീവിതം പ്രണയരഹിതം.



ജിത്തു കൈലാസ്  
സിഡിയു - 3

അസൂയ

# ടോൾ മിറായി

ഇതൊരു അനുഭവക്കുറിപ്പാണ് - ഒരുപക്ഷേ നിങ്ങളെപ്പോലെ ഞാനും ടോൾ കൊടുത്താൽ ബാക്കി ചില്ലറയായി എക്സയറും മഞ്ചും തരുന്ന ടോൾ പിരിവുകാരനെ പ്രാകിയിട്ടുണ്ട്. തർക്കിച്ച് നേരം കളഞ്ഞിട്ടുണ്ട്. എന്നാൽ ഇക്കഴിഞ്ഞ ദിവസമുണ്ടായ ദുരനുഭവം അതിനു ശേഷം ടോൾബോയിയോട് ഉണ്ടായിരുന്ന ദേഷ്യം കുത്തനെ കുറക്കാറിടയായി.

സാൻട്രോ സിങ്ങ് കാറിൽ പരിവാര സമേതം യാത്ര പോകുമ്പോൾ എത്രയും പാലത്തിന്റെ പേരിൽ നടത്തുന്ന ടോൾ പിരിവ് കേന്ദ്രത്തിൽ പത്തു രൂപ കൊടുത്ത് തിരിച്ചു കിട്ടിയത് നെസ്ട്രലെ മഞ്ചും ഒറ്റ രൂപ നാണയവും. എതിർപ്പിന്റെ മുന്നയൊടിക്കാനായി ചില്ലറ മഞ്ച് വിദഗ്ദ്ധൻ ഏൽപ്പിച്ചത് മോൾ കാൺകെ!!!

നൂറുണ്ടുപൊന്തിയ പ്രതികരണ കൊടുക്കാറ്റ് മോളുടെ മുഖപ്രസാദത്തിൽ അലിഞ്ഞുപോയി. എന്തായാലും ഒരു രൂപയെങ്കിലും തിരിച്ചുകിട്ടിയല്ലോ, അതും മിറായി ചിരുന്നെങ്കിൽ...

കിടക്കെടാ നാണയമേ... അവിടെ... കാറിന്റെ ഡാഷ് ബോർഡിന് മുകളിലേക്ക് നാണയത്തെ സമർപ്പിച്ചു. നാണയം വെക്കുന്ന രീതി കണ്ടപ്പോൾ ടോളന് മനസ്സിലായി... രണ്ട് രൂപ ബാക്കി നെസ്ട്രലെ മഞ്ചിന്റെ രൂപത്തിൽ ലഭിച്ച ഒരു ഭാരതീയ പൗരന്റെ നിശ്ശബ്ദ പ്രതികരണമാണിതെന്ന്. തുടർനുള്ള യാത്രയിൽ ഭാര്യയുമായി സംസാരിച്ചപ്പോൾ അവൾ ഒരു കണക്കെടുത്തിട്ടു.

നമ്മൾ കൊടുത്ത ടോൾ 7 രൂപ.... ഒരു ദിവസം ശരാശരി പതിനായിരത്തിനടുത്ത് വാഹനങ്ങൾ ടോൾ ബുത്ത് മറികടക്കുമ്പോൾ ഏഴേ ഗുണം പതിനായിരം സമം എഴുപതിനായിരം ടോൾ മുതലാളിക്ക്..... നെസ്ട്രലെ മുതലാളി അടിച്ചു മാറ്റുന്നത് ഇരുപതിനായിരം രൂപ... ആയിരത്തി എഴുനൂറ്റി നാൽപ്പത്തി ആറ് ടോൾ കുറവിലൂടെ നെസ്സെക്കാരൻ ഒരു ദിവസം നേടുന്നത് 1746 X 20000 സമം മൂന്നു കോടി



നാൽപ്പത്തിയൊമ്പത് ലക്ഷത്തി ഇരുപതിനായിരം രൂപ. എം എ ഹിന്ദിക്കാരിയായ ഭാര്യ മെമ്പെലിൽ കൂട്ടിക്കാണിച്ചു തന്ന ഗണിതശാസ്ത്ര വിസ്മയം എന്നെ അത്ഭുതപ്പെടുത്തി.

പരസ്യമായി അവളെ അഭിനന്ദിച്ചില്ലെങ്കിലും ഇവൾ കൊള്ളാമല്ലോ എന്ന് ചിന്തിച്ചപ്പോൾ സ്പിഡോമീറ്ററിൽ എഴുപത് കി.മീ., പെട്ടെന്ന് റോഡിലെ ഗട്ടറിൽ ചാടിയ വണ്ടി നിർത്താതെ കരയുന്നു. വിരണ്ടുപോയി ഞാൻ. പകച്ചുപോയി എന്റെ ഡ്രൈവിംഗ്!!! അതോടൊപ്പം റോഡ് മുറിച്ച് കടന്ന ചേച്ചിയെ രക്ഷിക്കാൻ എനിക്കു മുമ്പിൽ ഇടതുവശത്തെ കുറ്റിക്കാടു മാത്രമേ ശരണം. ഒന്നും ആലോചിക്കാൻ നിന്നില്ല. ബ്രേക്കിങ് നേരെ കാട്ടിലേക്ക്... പേടിച്ച് വിറച്ച ഭാര്യയും മോളും... ഒപ്പം പേടിച്ചിട്ടാണോയെന്നറിയില്ല.. കാറും നിർത്താതെ ഹോണടിക്കുന്നു... പരിക്കില്ലാതെ രക്ഷപ്പെട്ട ആനന്ദനിർവൃതിയിൽ ഞങ്ങൾ ഇരുന്നു. എന്നാൽ കാറിന്റെ കരച്ചിൽ നിൽക്കുന്നില്ല.

ഹോണടിക്കു കാരണം തേടി, ബി.ടെക്ക് സിലബസിലൂടെ ചിന്തിച്ചെങ്കിലും ഒന്നും പിടികിട്ടുന്നില്ല.

നിർത്താതെയുള്ള കാറിന്റെ കരച്ചിൽ കേട്ട് ഓടിയെത്തിയ ഓട്ടോക്കാരൻ ചേട്ടൻ ബോണറ്റ് തുറന്ന് ഹോണിന്റെ പോസിറ്റീവ് വയർ വലിച്ച് പൊട്ടിച്ചു... അടുത്ത ദിവസം മെക്കാനിക്കിനെന്നെ കാണിക്കാൻ ഉപദേശിച്ചിട്ട് സ്ഥലം വിട്ടു.....വണ്ടിയെടുത്ത് തുടർയാത്രയിൽ ഭാര്യയാണ് പറഞ്ഞത്

ടോൾകാരൻ മഞ്ചിനോടൊപ്പം തന്ന ഒരു രൂപ നാണയം നഷ്ടപ്പെട്ട വിവരം, അത് ആ കാട്ടിലേക്കെങ്ങാനും തെറിച്ച്കൊടുക്കും... ഒരു രക്ഷപ്പെടലിന്റെ നിർവൃതിയിൽ ഭാര്യക്ക് ഒരു രൂപ പ്രശ്നമല്ലായിരുന്നു. പക്ഷെ എന്നിലെ ബിടെക്കുകാരൻ ഉണർന്നു പ്രവർത്തിക്കുവാൻ തുടങ്ങി.

ഒരു രൂപ നാണയം മിസ്സിംഗ്... ഒപ്പം കാറ് നിർത്താതെ ഹോണടിക്കുന്നു. അതായത് എവിടെയോ സർക്യൂട്ട് കംപ്ലെയിന്റ് ആയിരിക്കുന്നു.....!! കൂടാതെ സ്റ്റിയറിംഗിനുള്ളിൽ നിന്ന് ഒരു ചെറിയ മണികിലുക്കം.

വീട്ടിലെത്തി സ്കൂൾ ഡ്രൈവറെടുത്ത് ഹോൺ കപ്പ് അടിച്ചു നോക്കിയപ്പോൾ എന്റെ ട്രബിൾ ഷ്യൂട്ടിംഗ് കറക്ടായിരിക്കുന്നു. സ്റ്റിയറിംഗ് കപ്പിന്റെ ഡിടവിലൂടെ ഒരു രൂപ നാണയം അകത്തു കയറി ഹോൺ സ്വിച്ചിനെ ഷോർട്ട്കാക്കി...

ഭാര്യയെ വിളിച്ച് ഗമയോടെ കാര്യം അവതരിപ്പിച്ചുവെങ്കിലും നെസ്ട്രലെ മഞ്ചുകാരന്റെ ലാത്തേന്റെ കണക്കിന് പരസ്യ അഭിനന്ദനം നൽകാത്തിന്റെ ചൊടിപ്പ് കാരണമാകാം അവൾ തിരിച്ചും അഭിനന്ദിച്ചില്ല.

സ്റ്റോമോഷനിൽ നടന്ന സംഭവങ്ങൾ റീപ്ലേ അടിച്ചപ്പോൾ ആ ടോൾ ബോയി ഒരു രൂപ നാണയത്തിനു പകരം ഒരു എക്സയർ കൂടി തന്നിരുന്നുവെങ്കിൽ ഈ പുകിലും നിയർ മിസ്സിംഗ് ഒഴിവാക്കേനെ..... നിങ്ങളെപ്പോഴും ടോളുകാരൻ ചില്ലറയായി നീട്ടുന്ന മഞ്ചും മിട്കി ബാറ്റും കാണുമ്പോൾ ശൗര്യപടാരുണ്ടായിരിക്കാം.... പക്ഷെ ഞാൻ.....

ശരിക്കും പേടിച്ചു പോയ ആ സംഭവത്തിനു ശേഷം ടോൾബോയി തരുന്ന ചില്ലറ മിറായി ഒരു ഉത്തമ പൗരനായി ഞാൻ സസന്തോഷം സ്വീകരിക്കാറാണ് പതിവ്. മിറായി മുതലാളിയുടെ കോടികളുടെ ലാഭം എനിക്കു പ്രശ്നമേയല്ല.



കെ. വി. സുബ്രഹ്മണ്യൻ പി ആന്റ് യു

# சுஜாதா

(3 May 1935 – 27 February 2008)

தமிழின் சமகால இலக்கியத்தில் 'சுஜாதாவை' (இயற்பெயர் எஸ். ரங்கராஜன்) அறியாதவர்கள் இல்லலை. சன்னையில் பிறந்தாலும் வளர்ந்தது திருச்சி - ஸ்ரீரங்கத்தில்தான். திரு அப்துல் கலாமும் இவரும் கல்லூரி நண்பர்களாகும்.

நவீன விஞ்ஞானத்தை இலக்கியங்கள் மூலம் பாமரன் வரலாறு எடுத்துச் சென்றவர் சுஜாதா அவர்கள். இலக்கியம் சமூகத்தின் நலன்களுக்கு பயன்பட வேண்டும் என்ற நோக்கோடு



திறம்பட செய்தவர். அறிவியல் தகவல்களையும், கணினி, மின்னணு இயந்திரங்களையும் தமிழ் இலக்கியத்துறைக்காள் பங்காற்ற வதைவர். தன்னுடைய பாணியிலேயே விஞ்ஞானத்தை தமிழ் இலக்கியத்துறைக்காள் புகுத்தி தமிழ் சமூகத்தோடு இனிய நெருக்கத்தை ஏற்படுத்திக்கொண்டவர் இவர். பல தற்கால விஞ்ஞான சொற்களை எளிய தமிழில், எளியோருக்கு புரிய வதைவர். மல்பிபியா எழுத்தாளர் என்று இவரை பலரும் வர்ணிப்பதும் உண்டு. சுவாண்டம் தியரியிலிருந்து சங்க கவிதைகள் வரலாறு வந்தவர்.

இவரின் கதைகளின் பாத்திரப்படைப்புகளே அலாதியானது. பரம்பாலும்

இவரின் கதாநாயகர்கள் சாதாரண மனிதர்களுக்கே இருக்கும் இயல்பான எதிர்மறை எண்ணங்களுடன் இருப்பவர்களாக இருப்பர். இவரை தமிழ் இலக்கியத்திற்கு புதிய கோணங்களாகும். பெண்களின் இயற்கையான வடிக்கட்டாத இயல்பான பச்சைக்கள் இவர் படைப்புகளையே மலேம மருகூட்டின. இதில் காதல், மனிதநயேம், நகைச்சுவை, சமூக கோட்பாடுகள், ஆகியவகைகள் விஞ்ஞான இழையோடு நடமாற்றை பாணியில் கையாண்ட விதம் அனவரையையும் கவர வதைவர்.

இவர் படைப்புகளில் தலை சிறந்ததாக கருதப்படும்பவகைகள் சில :

என் இனிய இயந்திரா -- தமிழ் விஞ்ஞான கதை - 2020ல் ரோபோவின் ஆளுமை பற்றியது.

கொலையாதிர் காலம் -- பொதிகை தொலைக்காட்சியில் ஒளிபரப்பப்பட்ட துப்பறியும் கதை.

விஞ்ஞானம் பற்றிய களேவி பதில் (பத்திரிகைகளில்) புகுதி - ஏன்? எதற்கு? எப்படி?

கணையாழி பத்திரிகையில் - கணையாழியின் கடமை பக்கங்கள்.

மலேம பல தமிழ் திரைப்படங்களுக்கும் கதாசிரியராகவும், வசனகர்த்தாவாகவும் பணியாற்றி உள்ளார். அவற்றுள் சில - காயத்ரி, பிரியா, விக்ரம், ரோஜா, இராவர், மாதல்வன், எந்திரன், அந்நியன் போன்ற தமிழ் திரைப்படங்கள்.

இவர் பெற்ற விருதுகளில் சில :

1993 ம் வருடம், இந்தியன் நேஷனல் கவான்சில் பார் சயின்ஸ் அண்ட் டெக்னாலஜி யிடமிருந்து.

மின்னணு வாக்களிப்பு இயந்திரம் (EVM) - VASWIK ரிசெர்ச் அவார்டு.

தமிழ்நாடு அரசாங்கத்திடமிருந்து கலமைமாணி விருது.

மஹான் ராமானுஜர் - தொலைக்காட்சி தொடரக்காக மயிலாப்பூர் அகாடமியிடமிருந்து சிறப்பு விருது.

இவரையே படைப்புகள் அனதைதும் தமிழ் இலக்கியத்தின் பொக்கிஷங்கள் என்றே சொல்லலாம். 100க்கும் மேற்பட்ட நாவல்கள், 250 க்கும் மேற்பட்ட சிறுகதைகள், 10 க்கும் மேற்பட்ட மலேம நாடகங்கள், 10 க்கும் மேற்பட்ட விஞ்ஞானம் சார்ந்த அலசல்கள். ஆங்காங்கே கவிதை படைப்புகளையும் காணலாம்.

எவ்வளவு யதார்த்தமான மனிதர் என்பதற்கு சான்றாக ஓர் உதாரணம் :

'சொர்க்கம், நரகம் இதில் எல்லாம் நம்பிக்கை இல்லலை. இரண்டும் இங்கதான் என்று எண்ணுகிறேன். அப்படி ஒருக்கால் இருந்தால், நரகத்துக்கூடப் போகத்தான் விரும்புகிறேன். அங்கதான் சுவாரஸ்யமான ஆசாமிகள் இருப்பார்கள். சொர்க்கத்தில், நித்ய அகண்ட பஜனைச் சத்தம் எனக்கே ஒரு நாளாக்கே மலே தாங்காது' என்று அவர் தன் எழுப்பதாவது பிறந்த நாள் கட்டுரையில் எழுதியிருந்தார்.'

சுஜாதாவின் எழுத்தனை தாங்காத இதழ்களும் இல்லலை தமிழ் இதயங்களில்லலை என்றே சொல்லலாம். பன்முகசிந்தனையாளர், அறிவுஜீவி, தமிழர்களின் மனம் கவர் எழுத்தாளராக வளையை வந்தவர் சுஜாதா. அவர் மறைந்தாலும் அவர் எழுத்துக்கள் மறையா.



Ganesan S.  
ESE

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Quiz Master: **S. Parameswer** (HR)

Send your entries to Mr. SP Quiz Bowl, Jwaladhvani desk, BPCL Kochi Refinery, before 25.5.2018



1. Identify this logo? 
2. Scientists have recently discovered a new organ in the human body. Name it.
3. What is the old as well as new National Highway number, a 340-kilometre-long highway connecting the city of Salem to Kochi city in southern India
4. Name the official Fish of Kerala. What is its Malayalam word
5. Why Cameron Bancroft, Australian Wicket-keeper Batsman was in the news recently

6. Who are Business Correspondents ?
7. What is the role of National Green Tribunal ?
8. RTI came into force on ..... and the 1st application was given to ..... ..
9. What unusual donation in kind was received in the donation box of Subramanya Swami in Mopidevi, Krishna District, A.P. ?
10. What is the meaning of the term "Cross Badging" in Automobile Industry ?
11. What is the hearing loss due to natural ageing called?
12. Identify this logo 

**Answers to QB-April-2018 :**

1. Air Philippines 2. Hydrazine 3. Society for Worldwide Interbank Financial Telecommunication 4. National Financial Reporting Authority 5. Virat Kohli 6. Lactic Acid accumulation 7. White Label ATMs 8. Anorexia 9. The main difference between SENSEX and Nifty is that SENSEX is the stock market index for BSE Limited, while Nifty is the stock market index for National Stock Exchange (NSE) 10. Withdrawing medical treatment with deliberate intention of causing patient's death 11. Nivea 12. Canara Bank

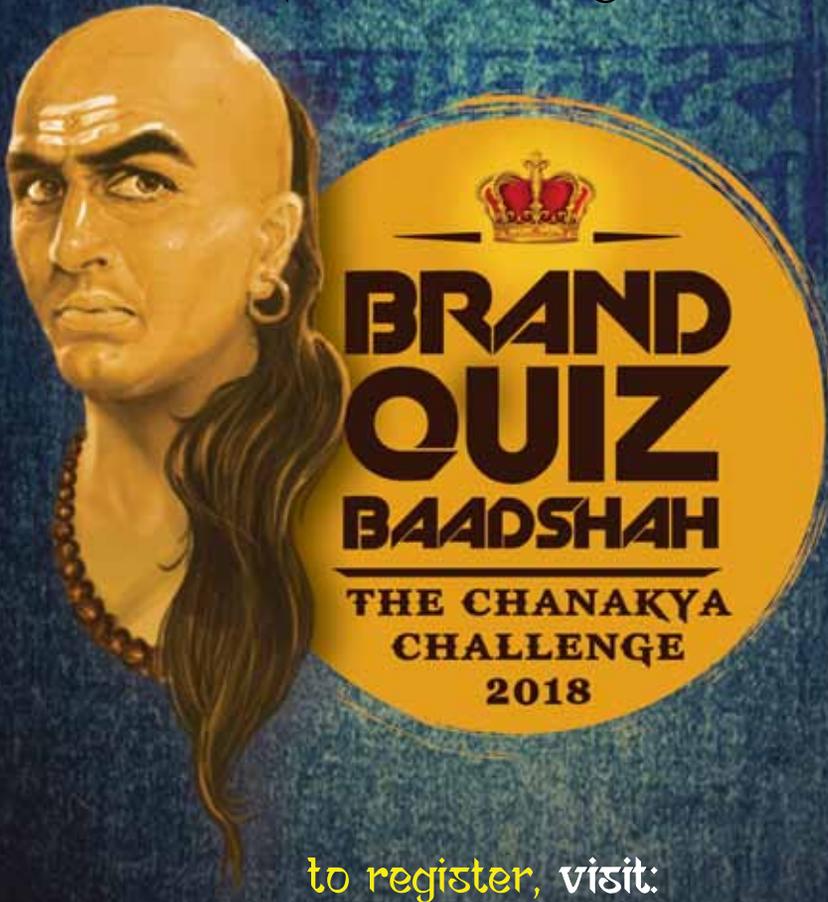
**Winner of QB-April-2018 : Vignesh Siva / Mfg - 2**

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