

CSIR – NAL – PWA
(Bengaluru Unit of CPWA)
Annual Report for the year Jan to October 2024

The AGM of NAL PWA was held on Sunday, 24th March 2024 at Kashmir Bhavan in NAL Layout.

The NAL Layout was formed in the 1980's by the NAL House building co-operative society and has about eighty residential plots is a well planned layout with plenty of trees and a park. NAL Employees have constructed houses and residing in them. All of them of have them have retired now. Kashmir Bhavan is a public utility hall constructed in this layout and it has a Lord Neelakanteshwara Temple attached to it.

The AGM Started at 9:00 Am with Pooja at the Neelakanteshwara Temple. The Current Director of NAL, Dr. Abhay Pashilkar was the Chief Guest at this function. After the pooja the the AGM started with the customary lighting of the lamp. The most important part of this AGM was the Honouring of Nine Super Seniors, some along with their spouses.

NAL PWA President welcomed the Director and all the members who attended the AGM. (About 100 members participated in the AGM). Speaking to the PWA members, Dr. Abhay Pashilkar highlighted the Technical Achievements of NAL and its future plans. He said he was pleased to meet his seniors with whom he interacted when they were in service at NAL. The Director then honoured the Nine Super seniors whose photographs appear below.



Kashmir Bhavan, NAL Layout, Jayanagara, Bengaluru



Pooja at Neelakanteshwara Temple



Dr. Abhay Pashilkar lighting the Lamp and being welcomed



Dr. Amarnarayan, President NAL PWA and Dr.Pashilkar addressing the AGM

.... Contd.

HONOURING CSIR NAL PWA Super Seniors



Shri Satyanarayana K (NAL)



Shri H S Subramanya (NAL)



Dr. P S Gopalakrishnan (NAL)
and Smt. Laitha Gopalkrishnan



Shri Satyanarayana K G and Smt. T S Bhavani
(CSIR-NIIST, Thiruvananthapuram)



Shri K B Parameshwarappa (NAL)



Shri D N Ramaswamy (NAL)



Dr. M Krishna Murthy (NAL)
and Smt. Neeraja Murthy



Smt Usha Vittal (IITR, Lucknow)
and Shri G N Vittal (CFTRI, Mysuru)



Dr. T A Bhaskaran (NAL)

The AGM proceeded with its programme. The Secretary, Shri Ashok Kamath presented the list of activities during the year 2023. The highlights of 2023 were

- a) AGM was held on 19th April 2023 at NAL. The pensioner's room was inaugurated and twenty two super seniors were honoured.
- b) A get together of NAL PWA members was held at Lord Someshwara Temple in NWTC Campus of NAL. About 100 members and their families had gathered at the temple. Special Pooja was conducted and Shri Gangadariah and family who hosted this function was honoured along with Dr. Amarnarayan (New President NAL PWA) and Super Senior Smt and Shri Mohan Verma were honoured in front of Lord Someshwara. The programme ended with Lunch or Prasad of Lord Someshwara.
- c) Thirty Five NAL PWA members and their families participated in a one day trip to Vishwa Shanthi Ashrama, Devarayana Durga and Mahalakshmi Temple at Gorvanahalli.

Thirty Seven New members joined NAL PWA during the year 2023.

The AGM also paid homage by observing two minutes silence in memory of Six members who passed away during this period.

The Treasurer Sri Sivasankaran presented the Statement of Accounts and was approved by the AGM.

The following four members have agreed to join the Managing committee of NAL PWA.

1. Shri G N Dayananda
2. Dr. Raju J Iyer
3. Shri Satya Ranjan Dey
4. Shri K Dhanasekaran

The Vote of Thanks was presented by Smt. P Neela Bai, Jt. Secretary

The AGM thanked the members of the NAL Layout for their help and active participation in successfully conducting the AGM.

The AGM then dispersed for Lunch.

NAL PWA and CSIR – NAL jointly hosted the Dr. Sita Ram Rao Valluri Centenary celebrations which was held on 25th June 2024 inside NAL Campus.



Dr. Sitram Rao Valluri Celebrations were held at the Dr.S.R. Valluri Auditorium of CSIR-NAL on 25th June 2024. Dr. Valluri was the second Director of CSIR-NAL and held this post for Nineteen years from 1965 to 1984.

Dr. Valluri was born on 25th June 1924 in Eluru in Andhra Pradesh. He obtained his B.E. degree from Banaras Hindu University, obtained his Post Graduation in Aeronautics from IISc, Bangalore. He continued his higher studies in Aeronautics at CALTECH in USA after obtaining the Pauley Scholarship. He established himself as an Aircraft Fatigue and Fracture expert for which he was awarded the Wright Brothers Medal in 1963. He briefly worked as a design consultant with Douglas Aircraft Company in USA. He then returned to India and joined IIT Madras as Senior Professor. He then Director of NAL Prof. Neelkantan

suddenly passed away on 18th April 1964. Dr. S.R. Valluri then took over as Director of NAL on 23 Nov 1965.

Dr. Valluri first task in NAL was the completion of the 4 ft tunnel which was initiated by Prof. Neelkantan, this task was completed by Dr.Valluri and the tunnel became operational with the first blow down on 29th May 1967.

Other highlights of Dr. Valluri's contributions during his tenure NAL were :

- a) Creation of the Materials and Structural Sciences Division.
- b) The Materials Division achieved heights with the establishment of a Full Aircraft Testing Rig fabricated for Gnat and Mig Aircrafts of the Indian Air Force.
- c) The Structures Division helped the ISRO in Aeroelastic Testing of PSLV, ASLV and all other launch vehicles. Structural testing of India's first Satellite Arya Bhatta was also done in this division.
- d) India's first Acousting Testing facility (ATF) for all Satellites of ISRO was tested at this facility which was established near the compressor air facility in the NWTC campus.
- e) Dr. Valluri introduced the Project Accounting System to track and monitoring the funds spent on each of the several projects of NAL. This was a unique method of managing the various projects of NAL in the various divisions of the laboratory.
- f) Establishment of the Electronics and Instrumentation Division which in later years pioneered in Flight Simulation and establishment of the Flight Control Laws which was ultimately used on the Tejas Aircraft. The "Black Boxes" which used to investigate Aircraft crashes which was often sent abroad for analysis is now done in this division thanks to the writing of the suitable software for decoding the "Black Boxes".
- g) Establishment of the Advance Composite Division. Today all of us should be proud that the Tejas fighter Wings, Fuselage and the Vertical Stabiliser made out of Carbon Fibre Composites are fully fabricated and regularly supplied to HAL for this Fighter Aircraft.
- h) Vast improvement in Infrastructure of NAL, like an excellent Health Centre well equipped with good facility like X Ray, ECG, Blood , Urine testing facility along with a good group of five Doctors along with support staff like nurses and Pharmacists and Lab technicians.

Dr. Valluri's achievements were lauded by the then DG CSIR Dr.Hussain Zaheer and Late Shri J R D Tata who was the Chairman of NAL Executive Committee. Dr. S R Valluri was awarded "Padma Vibhushan" for his achievements.

After Dr. Valluri retired from NAL in 1984, he went to head the Aeronautical Agency (ADA) as Director General which pioneered the design and fabrication of India's Indigenous Fighter Aircraft "Tejas" which is flying proudly today.

The Centenary Celebrations started with the Inauguration of Dr.S R Valluri's bust just outside the Valluri Auditorium, was done by the NAL Director Dr. Abhay Pashilkar in the presence of many dignitaries.

The further events were conducted inside the Valluri Auditorium are explained in the following Photographs.



Paying Homage to Dr. S R Valluri by Dr.Pashilkar, Dr.Raghu Prakash, Dr.Manjunath and Dr. Amarnarayan.



The Welcome address was done by Dr.Manjunath, Head Structural Integrity Division, NAL followed by Dr.Amarnarayan, President of NAL PWA.This was followed by the release of a one page flyer on the highlights of Dr.Valluri's achievements during his tenure as the Director of NAL.

..... contd.



The technical lecture on “ Fatigue and Fracture – Input to Structural Integrity and Life prediction “ was delivered by Dr. Raghu Prakash, Prof at IIT Madras. Dr.Raghu Prakash was a scientist in NAL before he moved our ti IIT, Madras. This was followed by many dignitaries who had worked with Dr.Valluri in their yesteryears. Speakers included Dr.K.S.Yajnik, former Head, CMMACS, Dr.R M V G K Rao former Head FRP Division,NAL, Dr. Srinivas Bhogle, former Head KTMD , Dr.Nanjundaswamy, Chief Medical Officer (Retd.) NAL and many other dignitaries. This was followed by a tree planting ceremony in the campus. We must recall that Dr. Valluri was a nature lover and many of the Large trees were planted and nurured by him.

After the Ceremony a Lunch was hosted by NAL for all the invitees.

NAL PWA observed DOCTOR’S DAY on 6th July 2023 at Sumukha Bhavan in S.R.Valluri Campus of CSIR NAL.

India observes Doctor’s Day on 1st July every year. NAL PWA decided to observe Doctor’s Day on 6th July by NAL PWA. 6th July 2024 being a Saturday is convenient for all NAL Doctors and Health Centre Staff. All of them (including retired) were invited and honoured with Mementos.

Dr.Anoop Amarnath , Geriatric Specialist, Manipal Hospital was invited to deliver a lecture on

“ **Advances in Geriatrics** “

The reasons why NAL Health Centre is different from other divisions:

1. Only Division of NAL where normal timings are extended for the convenience of patients **from 5:00 PM to 7:00 PM** three days a week.
2. Only Division which works Officially for **Half a Day even on normal Saturdays** for the convenience patients.
3. Doctors who live in NAL quarters are **available 24 x 7** in case of emergencies.
4. We cannot forget the **extraordinary** services rendered by the Doctors and staff during the COVID years.

The day started with Pooja at the Ganesh Temple which is adjoining the Sumukha Hall.

Dr. Anoop Amarnath delivered his lecture after the Pooja at the Temple inside the Sumukha Hall.



Pooja at the Ganesh Temple



Sumukha Hall (adjoining Ganesh Temple)



Dr. Anoop and Dr. Ramakrishna Lighting the Lamp PWA giving his Welcome address



Dr. Amarnarayan President NAL



Dr. Anoop Amarnath delivering his Lecture on “ **Advance in Geriatrics** “



Dr. Anoop Amarnath gifted with mementoes by Dr. R Balasubramaniam, former President NALPWA

The Lecture by Dr. Anoop Amarnath on “ Advance in Geriatrics “ was focussed on latest methods of detecting and treating Dementia which has been fairly successful, but more research has to be done. The Lecture was well received and there were a lot of interesting questions from the Audience.

The next and most important event was :

PRESENTATION of MEMENTOS to NAL Doctors and Health Centre Staff. It should be noted that even retired Doctors and Health Centre Staff were invited and honoured.



Dr. Amarnarayan CMO NAL (retd) honoured by Shri M A Ramaswamy former HOD Aerodynamics Division, NAL



Dr. Ramakrishna CMO NAL (retd) honoured by Dr. Balasubramaniam, Formed HOD Structures Division, NAL and former President NAL PWA



Dr. Swetha C Desai, current CMO NAL honoured
honoured by Smt. Vijaya Narasimhan,
MC member NAL PWA



Dr.Prakash L and Mrs Vidya Prakash honoured
by Dr.Amarnarayan, President NAL PWA



Dr. Malavika M S and family being honoured
by Dr. Geetha Bai MC member NAL PWA



Dr. Prasadagouda Patil honoured by
Dr.Amarnarayan, President NAL PWA



NAL PWA MC committee Members are standing along with Health Centre Doctors and Health Centre staff.

The meeting ended with on behalf of NAL Health Centre, Dr.Prakash expressed his thanks to NAL PWA for having organised Doctor's Day and honouring all the Doctors and staff.

The Programme dispersed for Lunch which was hosted by Dr.Amarnarayan.

	CSIR-NAL	New Members - Jan - Oct -2024		
		Name	Desig	LAB
1	Smt	Alphones Mary N	Grp II (5)	CSIR-NAL
2	Dr.	Bhargava P K	Scientist G	CSIR-CBRI
3	Shri	Chandrappa B K	Sr Principal Scientist	CSIR-NAL
4	Shri.	Devaiah M C	Sr. Technical Officer	CSIR-NAL
5	Shri	Dilawar Hussain	Grp II(2)	CSIR-NAL
6	Dr.(Miss)	Dina Geethalathai	Chief Scientist	CSIR-NAL
7	Dr	Giridhar A	Grp IV(6)	CSIR-NAL

8	Dr.(Mrs)	Indira N K	Sr Principal Scientist	CSIR - 4PI
9	Shri	Jaichander T	Lab Assistant	CSIR-NAL
10	Shri	Jayaraman N	Sr. Technician	CSIR-NAL
11	Smt	Janaki P	Family Pensioner	CSIR-NAL
12	Shri	Kanagarajan A	Sr. Technician (2)	CSIR-NAL
13	Shri	Kannan D	Chief Scientist	CSIR-NAL
14	Shri	Krishnappa C	Grp III (7)	CSIR-NAL
15	Shri	Lakshmi Narasimha Murthy A T	Grp III (4)	CSIR-NAL
16	Ms	Latha K	Sr Principal Scientist	CSIR-NAL
17	Smt	Mangala S	Controller of Administration	CSIR - 4PI
18	Dr.	Manju S	Chief Scientist	CSIR-NAL
19	Shri	Mruthunjayaswamy K	Sc. G	CSIR-NAL
20	Shri.	Mudalagiri Gowda A V	Sr. Technician Group II(4)	CSIR-NAL
21	Dr.	Murli Mohan	Grp. IV (6)	CSIR-NAL
22	Shri	Nagarajan V	Chief Scientist	CSIR-NAL
23	Smt	Nagaveni	Assistant	CSIR-NAL
24	Shri.	Nanjappa H	Lab Assistant	CSIR-NAL
25	Shri.	Narayanaswamy	Lab Assistant	CSIR-NAL
26	Shri.	Natarajan K	Lab Assistant	CSIR-NAL
27	Shri	Parameshwarappa K B	Grp II (5)	CSIR-NAL
28	Shri.	Prakashmurthy A S	Group II(4)	CSIR-NAL
29	Smt	Prasanna Kumari K N	Grp II(3)	CSIR-NAL
30	Shri.	Purushothaman R	Grp I	CSIR-NAL
31	Dr.	Rajam K S	Scientist IV(6)	CSIR-NAL
32	Shri	Rajashekar C	Chief Scientist	CSIR-NAL
33	Shri	Rajashekara	Admin Officer	CSIR-NAL
34	Shri	Ramesh Kumar A	Sr. Technical Officer	CSIR-NAL
35	Shri	Rangarajan R	Sc. G	CSIR-NAL
36	Dr.	Saji D	Chief Scientist	CSIR-NAL
37	Shri.	Sathyanarayanan S	Sr. Technician II(2)	CSIR-NAL
38	Smt	Sharada M K	Chief Scientist	CSIR - 4PI
39	Shri	Shekar Anandan	Section Officer	CSIR-NAL
40	Shri.	Sidappa G H	Lab Assistant	CSIR-NAL
41	Dr.	Swathi P S	Sr Principal Scientist	CSIR - 4PI
42	Dr.	Syamasundar K V	Chief Scientist	CSIR-CIMAP
43	Dr.	Venkateswarlu Karodi	Chief Scientist	CSIR-NAL
44	Shri	Mariappan L	Sr. Tech. Officer	CSIR-NAL

..... contd.

OM SHANTHI



Shri A.K. Godbole Sr. Tech. Officer (NAL)
Passed away on 15 Jan 2024.
He was 84 yrs old



Dr. A. Krishnan, Sc. G (NAL) passed away
on 7 Mar 2024. He was 86 yrs old.



Shri B.C. Shankarnaryanan, Sc. G (NAL)
Officer(NAL)
Passed away on 4th Sep 2024
He was 76 yrs old.



Shri R. Varadarajan, Principal Tech.
passed away on 5th Nov 2024.
He was 72 yrs old.
