

SEPTEMBER 2021



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NEWSLETTER & MAGAZINE

# NITWARANGAL

ALUMNI ASSOCIATION

**HONORS /  
AWARDS /  
DISTINCTIONS**

**VIEW FROM THE MAIN BUILDING**

LEVERAGING THE ALUMNI STRENGTH | NURTURING THE STUDENTS  
CREATING LINK WITH THE ALMA MATER | STAYING CONNECTED WITH FRIENDS

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# 2021





## FROM THE NEWSLETTER AND MAGAZINE SUBCOMMITTEE

The Newsletter and Magazine Subcommittee wishes our Alumni and their family members good health in these challenging times.

We are now in to the fifth edition of Alumni Newsletter and we are glad to know that our Newsletter is being well received by our Alumni members. We have been receiving feedback / suggestions and encourage you to post Articles, Content and Alumni chapter updates to our email [nitwaa.newsletter@gmail.com](mailto:nitwaa.newsletter@gmail.com) within the limit of 2000 words.

Please do ensure that there is no copyright infringement and also do mention your details (i) Degree (B.Tech, M.Tech, M.Sc. Etc.) (ii) Branch / Department (iii) Pass out Year.

This edition contains Success stories, Retirement updates, Honors / Awards, NITWAA Welfare fund & Chapter news, Three from Family, First Girl Topper and Classmate couples. We the Subcommittee are deeply saddened by the passing away of our Alumni members (mentioned in Obituary section) and offer our prayers and condolences to their families.

Though utmost care has been taken in publishing this Newsletter, if there are any factual discrepancies they may be brought to the notice of the Subcommittee.

### NITWAA NEWSLETTER & MAGAZINE SUBCOMMITTEE



**Arti Sengar – Member**  
BT / ME / 15  
Eco Designing Engineer,  
Alstom Bangalore.



**Dr. S. Shankar – Member**  
MT / CE / 06, PhD / CE / 12  
Asst. Professor,  
NIT Warangal.



**Sunil Simon – Convenor**  
BT / ME / 95  
Sr. Sales Manager,  
Oracle Ahmedabad.



**Dr. A Venu Vinod – Chairman**  
BT / CHE / 90  
PhD / CHE / 06  
Professor, NIT Warangal.

*This newsletter has been designed with the support from Mr. Biju Philipose (BT / EE / 93), Vice President NITWAA. He is the Managing Director of Sepack India Private Limited. Kerala.*

# RETIREMENT



**Prof. RLN Sai Prasad**

PhD / PHY / 1985

Prof. RLN Sai Prasad Professor, Department of Physics, National Institute of Technology Warangal, retired from the service after attaining the age of superannuation on 31-7-2021. Prof. Sai Prasad joined the Dept. of Physics in 1986. Prof. Sai Prasad has more than 45 SCI publications and 50 plus papers in conference proceedings /seminars/workshops.

He taught various subjects at the UG and PG levels some of which are Electromagnetic Theory, Linear and Digital IC Applications, Fibre Optic Communications and Communication Systems. He is very dedicated teacher. He has guided doctoral dissertations and been active in research with as many as 8 projects to his credit. He has also held a number of administrative posts such as Dean (P&D), Chief Warden and Head, Department of Physics. Prof Prasad is known to be very friendly, approachable and down to earth professor.



**Prof. A. Ramachandraiah**

Prof. Allikayala Ramachandraiah, Professor (HAG) in the Department of Chemistry, National Institute of Technology Warangal, retired from the service after attaining the age of superannuation on 31-7-2021.

Professor A. Ramachandraiah joined the Department of Chemistry, NITW (then RECW) as Lecturer in 1985 and rose to Professor (HAG). Prof Ramachandraiah has authored more than 35 papers in very reputed international journals, 40 plus conference proceedings, and has guided as many as 12 researchers for a doctoral degree. He has authored 6 books. He has been very active in research and continuing education programs.

He was associated with various administrative positions such as Dean, Research & Consultancy; Member, Board of Governors, Head, Department of Chemistry. He has also held several other prestigious responsibilities, such as Project Coordinator, Teaching Learning Centre (TLC), Nodal Officer of RashtriyaAvishkarAbhiyan (RAA). He has been conferred with several awards, including Sri Chukkapalli Pitchaiah Foundation Award. He was the Jana Vignana Vedika State President and received the National Award from Dr. A. P. J. Abdul Kalam in 2006 at Rashtrapathi Bhavan. He is a Fellow of A.P. Academi of Sciences and a Fellow of the Telangana Academy of Sciences.



## P K RATH

BT / MET / 82

Shri Pardosh Kumar Rath passed out from NIT Warangal, Metallurgy branch in the year 1982 with Distinction. He then pursued his MBA in HR / Marketing from Andhra University in 2007 followed by PGDCA in 2009 from Pondicherry University.

Mr. Rath began his career as a Management Trainee in 1983 in RINL, has served the company in various capacities. He served as the Chairman of Board of Directors of Rashtriyalspat Nigam Limited (RINL). He is also the Non-executive Chairman of the Board of Directors of EIL, OMDC and BSLC, Member of Board of directors of ICVL and RINMOIL, Member of Task force on Metals Chaired by Secretary DIPP & Secretary (Steel), Member of governing board of SRTMI.

Under his able leadership, RINL registered a strong performance by recording the sales turnover of around Rs 18,000 crores, 2nd highest since inception during the 2020-21 financial year, representing impressive growth of 13% and the sales volumes reached 4.45 million tons, with a growth of 4%.

Mr. Rath has catapulted RINL to receive numerous Award. Few of them are:

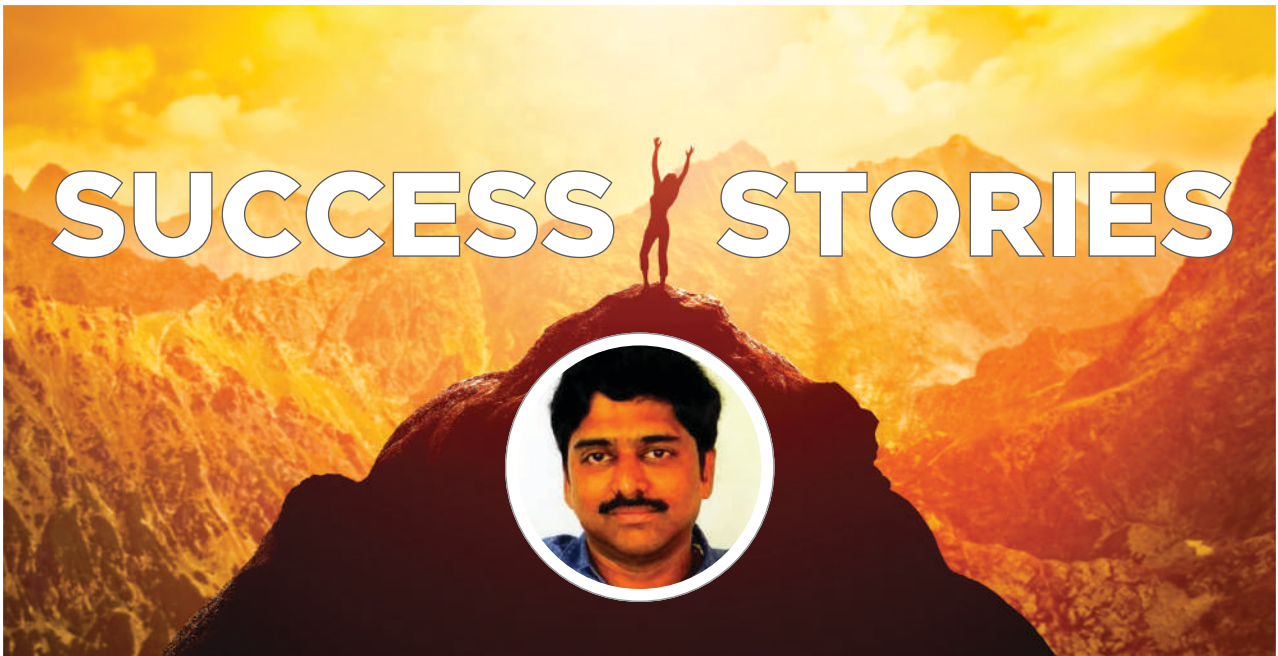
- National Energy Conservation Award- First Prize under Integrated Steel Plant category for significant contribution for reduction of specific energy consumption
- "National Energy Leader" award in 2019 as RINL won Excellent Energy Efficient Unit Award in three consecutive years (2017, 2018, 2019) from CII

- RINL has been awarded Excellent Energy Efficient Unit Award & National Energy Leader Award by CII\_G-BC, held online from 25th - 28th August 2020 in recognition of its efforts towards Energy Conservation
- Received Rajbhasha Keerti Puraskar (First Prize) for outstanding performance in the area of Hindi implementation for the year 2018-19
- Bagged prestigious Viswakarma Rashtriya Puraskar for innovative works
- ICQCC Award for Quality Circles – Singapore
- National sustainability award
- Raj BhashaKeerti Puraskar 2018
- Rashtriya Khel Puraskar to RINL
- Steelies Award to Shri. P. K. Rath, CMD, RINL

Mr. Rath is also passionate about Service to the Society. Through the CSR initiatives of RINL, he takes special interest in the fields of Education, Health, Help during Natural Calamities, Skill Development, Women Empowerment & Senior Citizen Care, Environmental Care, Sports, Rural Development, Drinking Water, Swachh Bharat and Sanitation.

Shri Rath retired from service on 31 May 2021 on superannuation after serving the company for 38 years.

Shri Pardosh Kumar Rath is a Distinguished Alumni Professional Achievement Awardee (DAPAA), NIT Warangal for the year 2018.



## MURALI MOHAN GADE

BT / EE / 02

Shri Murali Mohan Gade is working as a Scientist F at Defence Research and Development Laboratory (DRDL), Hyderabad. He joined DRDO as a Scientist 'B' in the year 2003 and has 18 years of rich research experience in the field of-

1. Missile System Design for SAM systems
2. Modeling and Simulation of Aerospace Systems and
3. Design of Missile Flight Control System (Autopilot).

He has contributed immensely to the indigenously developed medium range Surface to Air Missile AKASH and Quick Reaction Surface to Air Missile (QRSAM) systems for Indian Air force and Indian Army. His major contributions are listed below:

- Developed flight control system (Autopilot) for supersonic missile AKASH.
- Developed several critical mission algorithms for AKASH.
- Developed Flight Simulation model for AKASH.
- Designed missile configuration for QRSAM.
- Developed simulation model for QRSAM.

- The state-of-the-art missile flight control system designed by him for the highly agile and maneuverable supersonic QRSAM missile resulted into successful interception of the Unmanned Aerial Vehicle (Drone).
- He is instrumental in successful design, development, realization and flight testing of the most powerful indigenous weapon system, QRSAM for our Indian Army.
- He is instrumental in carrying out important design improvements of various missile subsystems which resulted into overall success of different missile systems.

His contributions ultimately enabled India in achieving self-reliance in the most critical guidance and flight control system technologies for surface to air missile systems and save good amount of foreign exchange. Shri Murali Mohan served as the Joint Secretary in NITWAA Hyderabad Chapter during 2017-18.

He won the Distinguished Young Alumni Professional Achievement Award (DYAPAA) for the year 2018.



**Dr. S. Shankar**  
(MT / CE / 06, PhD / CE / 12)  
Department of Civil Engineering, NIT Warangal



**Prof. CSRK Prasad**  
(BT / CE / 86, MT / CE / 88, PhD / CE / 97)  
Department of Civil Engineering, NIT Warangal

Rural Roads (RRs) are referred to as Low Volume Roads (LVRs) worldwide as is used in India. LVRs are a lower order of worldwide land transport. They begin where the animal track and walking trail end. They are at the beginning of the world economy and are the lifelines for rural communities. RR transcends language, culture, topography, and climate. Due to their necessity, they tend to drive innovation in design, material use, maintenance, and social development. Several programs were initiated with objectives as area development, provision of minimum needs, and generation of employment that have contributed notably to the construction of rural roads in India. India started rural road development with a series of plans since Independence, but no specific attention was given to rural roads until 2000. Previously, there was more inconsistency in the connectivity of the rural areas due to limited funds and the ad-hoc approaches generally adopted for the planning of rural roads.

At being convinced of the need for the scientific development of rural roads, in December 2000, a revamped rural road program known as "Pradhan Mantri Gram Sadak Yojana" (PMGSY) was launched to give a boost to rural connectivity while ensuring a balance between maintenance and upgrading of the existing network and investments in new connectivity. The primary objective of PMGSY is to connect the habitations. The priority is 1000 plus first and 500 plus population subsequently. Also, the special attention is given to Scheduled areas and left-wing affected areas with 250 plus population. The program kept the provision that all villages with 1000 or more should have an all-weather road. It was suggested to take up 1,73,000 unconnected habitations of the population under new connectivity with new roads, and the existing roads connecting remaining habitations were taken up for upgradation. By the end of 2009, 38,800 habitations had been connected, and work was in progress to connect a further 21,000 habitations, requiring new road construction of 97,500 km; in addition, some 184,000 km of rural roads were upgraded. To connect all villages with roads, the length of the rural road network is increased substantially.

India has a total road network of 5.89 million km, out of which LVRs make up 80% of the share. It is to be noted that more than 80% of the Indian states relate to a rural road for 1000+ population. Moreover, more than 50% of all the states relate to the 500-999 population habitations. Table 1 shows the physical progress of PMGSY up to June 2020, with a total expenditure of Rs. 2,28,303 Cr (42.48 billion USD). Despite the massive investment in rural roads, some 2,70,000 villages yet remained to be connected.

Table 1: Physical Progress of PMGSY up to June 2020

Description	Total eligible habitation	Projects Cleared	Achievement
PMGSY Phase-I: Habitations (After reconciliation including 100-249 category with States)	1,86,426	1,64,005	1,75,855
New Connectivity (km)	-	4,38,923	3,95,417 (90%)
Upgradation of target length of 3,74,844 (60% only eligible)	2,24,906	2,07,219	1,95,760 (94%)
Road connectivity project for left-wing extremism area(km)	-	9,338	2,150 (23%)
PMGSY-II upgradation (km)	50,000	49,818	35,394 (71%)
PMGSY-III (km)		21,659	86.42%

The significant advantages of PMGSY comprise enhanced access to schools, health centers, improved access to markets, all-season connectivity for farmers, improved employment opportunities, and improvement in the quality of life within rural communities. While PMGSY has given a significant boost to rural road connectivity, a significant challenge in the future will be the preservation and maintenance of hard-won connectivity. This will require an inclusive asset management approach that integrates maintenance in the overall planning and management of PMGSY. The deprivation due to the lack of access has the following impact on the rural communities.

- Several pregnant women die each day because they cannot reach the healthcare centers in time from their villages.
- Thousands of rural children cannot reach the schools during the rainy season.
- Perishable agricultural produce cannot reach the markets in the time leading to heavy losses to the farmers.
- Many cattle die in veterinary epidemics because help cannot reach them, especially during the rainy season.
- Water tankers cannot reach several thousand drought-prone villages leading to the migration of the rural population in total despair.
- The public distribution system fails to penetrate thousands of villages leading to malnutrition and infant mortality.
- Poor connectivity has a high correlation with high levels of illiteracy, unemployment, and poverty.
- Low levels of accessibility have deprived many villagers of equality of opportunity compared to the urban population.

In summary, India started systematic rural road development a bit late but progressed notably. Along with PMGSY at the Centre; State Governments on their budget for rural roads construction and where the need is felt, obtained financial support from NABARD-India as well as external agencies like Asian Development Bank (ADB), World Bank (WB), and Asian Infrastructure Investment Bank (AIIB), etc. with only facility creation as the primary criterion. However, mere asset creation does not lead to sustainable development. Nevertheless, this would be possible only when the created asset is systematically and adequately maintained, saving the created asset. Proper asset management includes routine, periodic, and preventive maintenance management systems. Only such systems are in position, along with a commitment to protect the created asset, the final goal of Sustainable Rural Roads Management is possible.

The Transportation Division, Department of Civil Engineering, is identified as a Principal Technical Agency (PTA) and State Technical Agency (STA) from the program's inception to advise both state and central governments in planning, design, and construction of rural roads. Detailed project reports of several rural roads in both Andhra Pradesh and Telangana have been scrutinized for their technical soundness and adoption of innovative materials and construction methods. Hundreds of field engineers have been trained on several aspects of rural roads through several capacity building programs conducted at regular intervals.

Prof. B.P. Chandrasekhar, an Alumnus of RECW (BT/CE/70), and faculty member of RECW/NITW has been invited to take up the responsibility of First Director (Technical) of National Rural Road Development Agency (NRRDA), now renamed as National Rural Infrastructure Development Agency (NRIDA) in 2002. He has served the NRRDA for almost a decade. During his tenure, he has developed various codes of practices, manuals, training modules on various aspects of rural roads, such as planning, design, construction, specifications and maintenance.



# Low cost indigenous Energy Storage (Li-ion batteries & Supercapacitor) materials from ARCI can make electric vehicles affordable



**Dr. S. ANANDAN**  
Scientist-E,  
Centre for Nanomaterials



**Dr. R. VIJAY**  
BT / CHE / 90, MT / CHE / 93  
Scientist-G and Head, Centre for Nanomaterials



**Dr. TATA N. RAO**  
Director In-charge

International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), Department of Science and Technology, Govt. of India, Balapur, Hyderabad

## Li-ion Battery Materials Lithium Iron Phosphate (LiFePO<sub>4</sub>, LFP)

Li-ion batteries are the workhorses for electric vehicles which are being aggressively promoted because they are free of pollution. Currently, India imports 100% of these expensive batteries mostly from China and a large part of the cost comes from its cathode and the anode materials. This calls for indigenous electrode materials technology and associated components that are essential for the manufacturing of Li-ion batteries within the country.

LiFePO<sub>4</sub> (LFP) is a olivine (rock-forming mineral), discovered by John B Goodenough, who shared the 2019 Nobel prize in chemistry for the development of Li-ion batteries. It is an excellent cathode material by virtue of the intriguing features like the high maximum available capacity of 170 milliampere hours per gram (mAh/g), has a single voltage plateau of 3.45 V. Its characteristic features of non-toxicity (cobalt free) economic viability and long cycle life make it an ideal material for Lithium-ion batteries. The thermal stability of LFP is high and excellent with no exothermic reactions up to 400°C and hence ideal for Indian climatic conditions. Scientists at the Centre for Nanomaterials, International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI) an autonomous institute under the Department of Science & Technology have developed an innovative and low-cost process

for the synthesis of in-situ carbon modified LiFePO<sub>4</sub> (LFP), a cathode material for Lithium-ion batteries.

The process developed by the ARCI team for synthesis of the cathode material is a scalable and a single step process for the synthesis of in-situ carbon modified LiFePO<sub>4</sub>, which involves a modified solid-state method for the preparation of carbon-coated LFP with high rate performance. The indigenous methodology developed by ARCI to produce LFP will significantly lower the battery cost per kilowatt-hour kWh, thereby making Li-ion batteries affordable. In order to validate the developed material in cell level, 26650 size Li-ion cell has fabricated using ARCI's developed LFP material and benchmark with the performance of 26650 cell which fabricated using commercial LFP material. The performance of ARCI LFP based Li-ion cell delivers discharge capacity of 1.51 Ah, 1.48 Ah, 1.45 Ah, 1.44 Ah and 1.39 Ah at C/5, C/3, C/2, 1C and 2C respectively is compared with the performance of commercial LFP based Li-ion cell, i.e. the discharge capacity of 1.81 Ah, 1.68 Ah, 1.68 Ah, 1.58 Ah and 1.4 Ah obtained at C/10, C/3, C/2, 1C and 2C respectively. ARCI LFP based Li-ion cell could able to retain 92% capacity after cycling at 2C rate, whereas commercial LFP based Li-ion cell able to retain only 77% capacity after cycling at 2C rate, indicating that ARCI LFP outperformed the imported commercial grade LFP in terms of power capability. This effort for the development of indigenous technology for manufacture of Li-ion in India initiated at ARCI will align with the National Mission to have the affordability of the EVs.



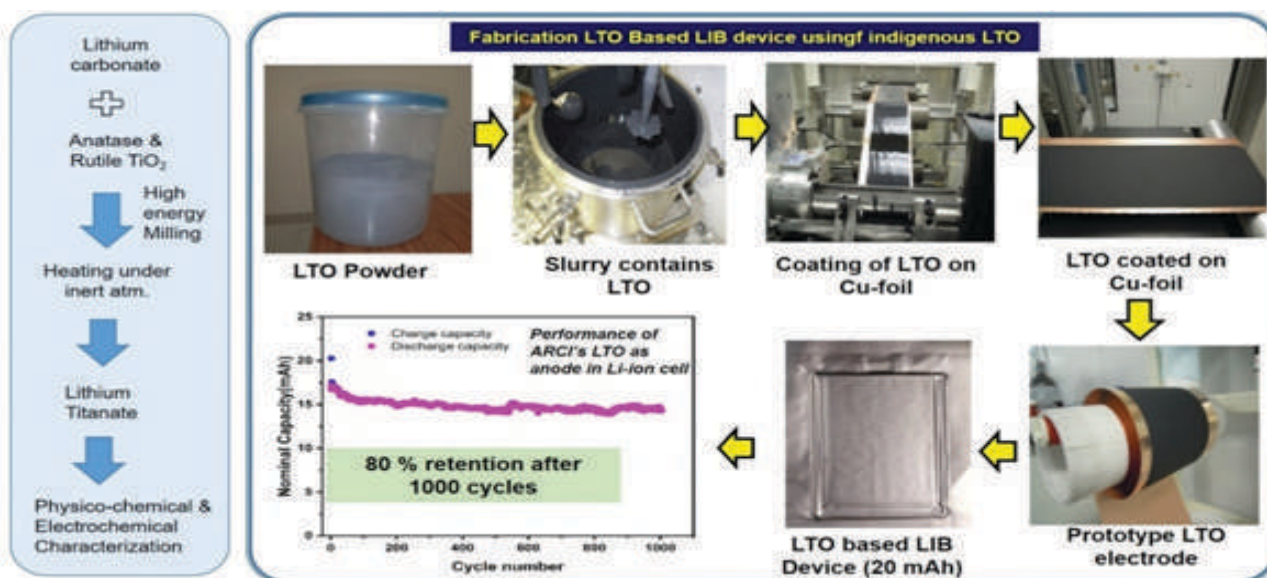
### Lithium titanium oxide (LTO)

Fast charging Lithium Ion batteries are in high demand for portable electronic devices and electric vehicles. However, producing them involves a complicated process of synthesis of Lithium titanium oxide (LTO), the chemical needed for its anode, thus making the battery costly. Researchers at ARCI found a simple process for the synthesis of LTO, an anode material for fast charging Lithium-ion battery (LIB) application. LTO has emerged as a promising anode material for high-power LIBs owing to its abundance, thermal stability, excellent cycle life of 20000 cycles and safety. It undergoes negligible volume change during charging and discharging, which ensures an extremely long cycle life and can work under harsh ambient temperatures (-30 to +55°C) exhibiting recharge efficiency exceeding 98%, compared to other carbon based anode materials. This makes it ideal for Indian climatic conditions.

Though many techniques are available for the synthesis of LTO, they all involve highly complicated synthesis procedures, huge amount of solvents, toxic chemicals and expensive techniques. The measures followed to overcome the disadvantages of LTO like poor electronic and ionic conductivity require the addition of one

more step to the synthesis process making it more complicated and unsuitable for commercial applications. In order to address the above challenges, ARCI team focused on developing the simple, economical scalable and energy efficient technique for production of LTO anode with improved electronic conductivity using TiO<sub>2</sub> and Li<sub>2</sub>CO<sub>3</sub> as precursors. The advantages of high energy milling method are short processing time, low contamination, high relative velocity of balls and high energy input. Further, ARCI's technology has been tuned to be adaptable to any sort of precursors.

ARCI's LTO has been validated in half cell and its performance was found to be very promising in terms of high specific capacity good rate capability and long cyclic stability which are better than the performance of imported commercial LTO. The production cost of ARCI's LTO is comparable with the cost of imported LTO by utilizing the pilot plant facility for the production of LTO at a level of 72kg/day. Patents for this process have been filed in India, USA, Japan, China, Germany and South Korea. Efforts are underway for possible technology transfer to a private company, who is making LTO based LIB for Hybrid Vehicle application and have shown interest in ARCI's LTO technology.




## First indigenous Petcoke-based high energy Supercapacitor

ARCI has embarked on development of several energy storage devices such as Li-ion batteries, Supercapacitors etc. under the Technical Research Centre (TRC) for “Alternative Energy Materials & Systems” established with funding from the Department of Science & Technology. Under the Supercapacitor development programme, the ARCI team used petroleum coke (petcoke) to develop graphene-like activated porous carbon by a low-cost chemical activation process and demonstrated its superior electrochemical properties in comparison with commercial supercapacitor grade carbon. Petcoke, a by-product in oil refining process, is a rich carbon source material but contains significant amount of sulphur as impurity making it unsuitable as fuel in cement and steel industries due to the emission of hazardous Carbon dioxide(CO<sub>2</sub>) and Sulphur oxides. Its alternative use in supercapacitors can abate the emission problem while finding a high-value addition to it.

The first indigenous Petcoke-based 1200 F supercapacitor device has been developed with the help of

high performance porous activated carbon electrodes, a move that would be commercially attractive for Electric Vehicles (EVs) industry. In EVs, supercapacitors are useful in regenerative braking to recover the energy quickly during the application of brake, while in case of hybrid electric vehicles, they are used to improve the life and performance of Li-ion and lead-acid batteries. They are lithium free and safe and can deliver high power in minutes to enable fast charging of EV batteries, a critical requirement in fast-charging EV stations. The indigenous supercapacitor device developed is at par with a world-class commercial supercapacitors in performance.

While India is emphasising on electric mobility and encouraging establishment of Li-ion battery plants, supercapacitor technology as a potential technology for EV applications has been realised off late. However, for the purpose, cylindrical supercapacitors with high capacitance (greater than 1000 F) in a single device and high energy density (more than 5Wh/kg) would be needed, and the new technology suits the purpose. The ARCI team plans to scale-up the new technology with higher capacitance (<3000 F) to make modules from these supercapacitor devices for EV applications.



Specifications	ARCI Supercapacitor
<b>Dimensions (mm)</b>	<b>79 L x 60 Dia.</b>
<b>Mass (gms)</b>	<b>242</b>
<b>Capacitance (F)</b>	<b>1198</b>
<b>E<sub>max</sub> (Wh/Kg)</b>	<b>5.01</b>
<b>E<sub>stored</sub> (Wh)</b>	<b>1.2</b>
<b>Volumetric energy density (Wh/L)</b>	<b>5.5</b>

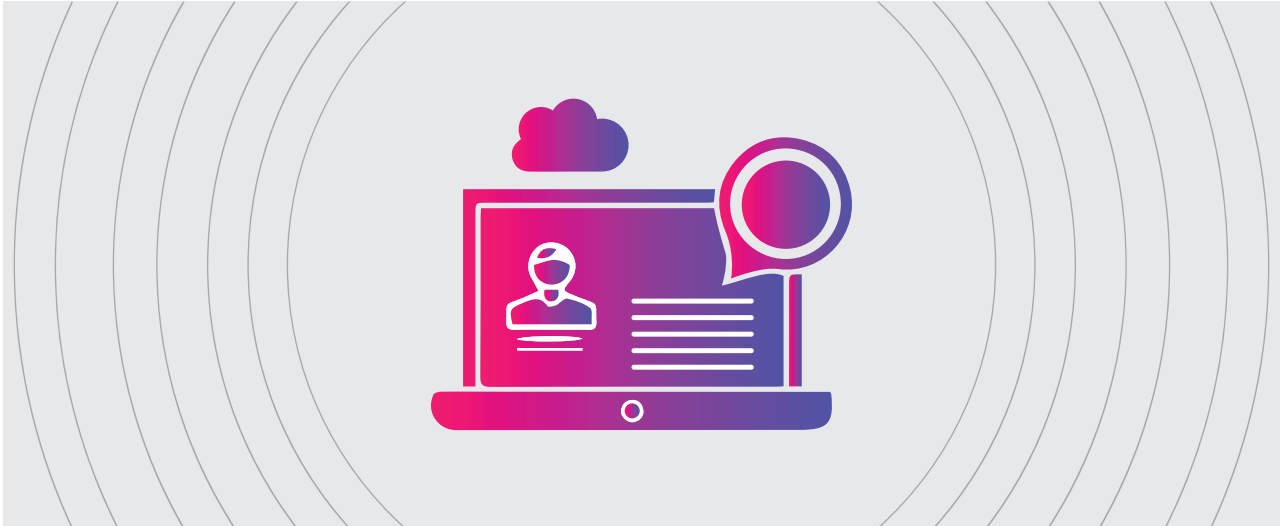
*Petcoke-derived high energy supercapacitor developed at ARCI and Typical performance characteristics of ARCI Supercapacitor*

# GTDTTC TRAINING PROGRAM CONCLUDES....



The first ever online training / internship program by Global Technology Development and Training Centre (GTDTTC) in recent times, on “Web Development using Trending Web Technologies” concluded on 30th June 2021 with a valedictory session. The details of the course were covered in the June 2021 issue. The virtual event was graced by the Chief Patron NITWAA and Director NIT Warangal Prof. N.V. Ramana Rao. The session was attended by Dean (IRAA) Prof. N. Selvaraj, Global President NITWAA Shri Alapati Prasad, Chairman GTDTC and Warangal Chapter President Shri Chandragiri Srinivas. The program was coordinated by Advisor GTDTC and Secretary Warangal Chapter Prof. A. Venu Vinod and the resource person Dr. V.V. Narendra Kumar (BT / MET / 87). The course was very well received as per the feedback from the participants during the feedback session. Mr. Sunny Raj from Bihar was declared as the best performer of the course.

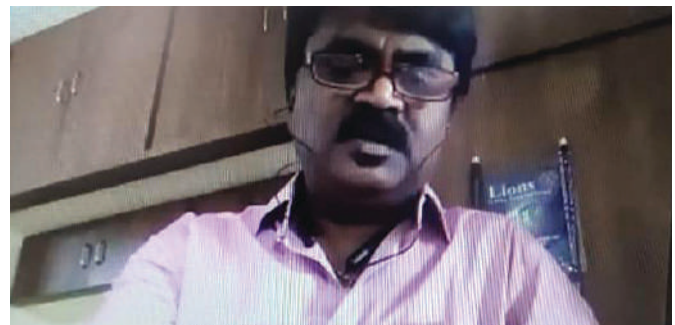
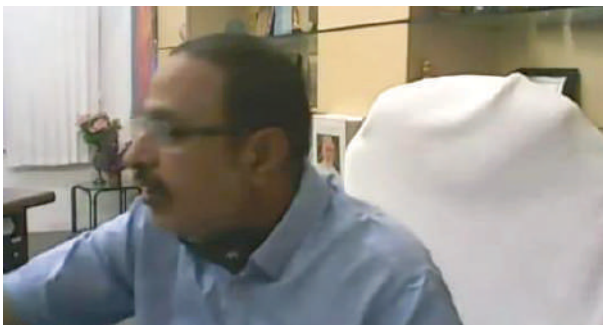
Shri Venkat Pullela (BT / ECE / 90, Distinguished Alumnus Awardee, USA), Shri Vinod Kumar (BT / CE / 79, Secretary Chattisgarh Chapter) and Shri Arvind Sahay (BT / ECE / 89, Secretary Middle East Chapter) sponsored the training program.



## WEBINAR BY GTDTC

Global Technology Development & Training Centre (GTDTC) in association with A-THEOREM jointly organised a webinar on “Trending Technologies in Animation, VFX, CG and Gaming Industries on 25th July , 2021 through virtual mode. Shri. Chandragiri Srinivas President of Warangal Chapter & Chairman of GTDTC Presided over the webinar. Prof. N.V. Ramana Rao, Director NITW attended the program as Chief Guest, he stressed the importance of animation and gaming industry technology.

Shri Arun Kumar Rapolu, A Theorem Start-up Founder/CEO explained the importance of AR, VR CGI and Gaming technology. Prof. N. Selva Raju, Dean IRAA, Dr. Ravichandra, Coordinator of the webinar, Shri Alapati Prasad President NITWAA Appreciated the activities and webinars conducted by GTDTC. Prof. A. Venu Vinod Adviser GTDTC, Prof K Anand Kishore NITWAA joint secretary were other panellists who attended the program.





# NITWAA WELFARE FUND

“Welfare and Benevolent Sub-Committee” shortly called WBC of NITWAA, assesses request from alumni who are stressed out financially due to long term health issues or due to the untimely demise of bread winner.

#### Typical functioning is as follows.

1. The batch members of the alumni approaches the nearest available Chapter and proposes help to the needy alumni.
2. Chapter in-turn recommends to the WBC after due diligence
3. The committee members propose the help and approves / gets approval from NITWAA Executive Body.
4. The whole process is extremely transparent and quick.

In case of any of our Alumni members facing extreme stress, please reach out to the WBC. We also welcome

donations from Alumni through a separate NITWAA Bank Account (NITWAA WELFARE FUND) reserved specifically for this purpose. Even a small monthly contribution will go a long way in helping a needy alumnus family.

#### The Account details are as follows:

NITWAA welfare account SBI Warangal  
Account 40145942110  
IFSC. SBIN0020149

#### For further information you can contact:

**Mr. Murali Krishna Gunji**, Secretary, NITWAA  
(secretary.nitwaa@gmail.com) and **Mr. P. Rajamony Iyer**  
– Chairman, Welfare and Benevolent Sub-Committee  
(rajamony123@gmail.com).

A case study of the recent help by WBC is available at  
<https://www.nitwaa.in/news/23183>



## NITWAA SUPPORT TO ALUMNUS FAMILY

A cheque for an amount of Rs.1.5 lakhs was handed over to the family of Shri Ravi Shankar at Rajahmundry by NITWAA President Shri Alapati Prasad. Rs. 3.1 lakhs contribution given by 2001 batch Alumni.



**Sri B Ravi Sankar**

MT / CE / 01

Practising Civil Engineer, Rajahmundry, A.P.

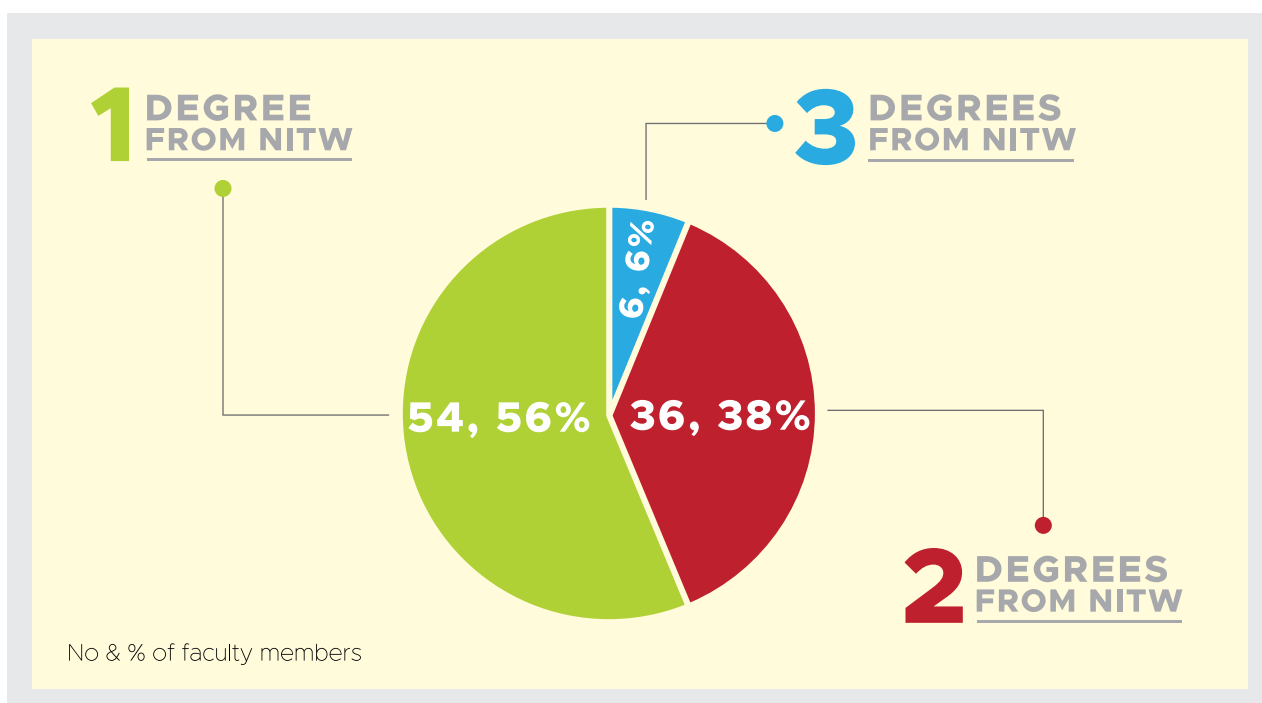
Left us on 23-06-2021

# AAA.....(Alumni faculty At Alma mater)

Some consider it fortunate to get employed at their alma mater. Therefore, an effort is made to present the details of alumni faculty at NIT Warangal. Out of the total 327 faculty members (as on 20 June 2021) 96 faculty members (> 29%) have taken at least one degree from NIT Warangal.

- Total Number of faculty on rolls 327
- Alumni faculty 96
- Overall details at the institute level

Number of degrees from NITW	Number of Faculty members
Three	6
Two	36
One	54



## DEPARTMENT-WISE DETAILS

S No	Department	Number of faculty with degrees from NITW		
		3 degrees	2 degrees	1 degree
1	Civil	1	7	6
2	Electrical	2	6	8
3	Mechanical	0	6	6
4	ECE	1	4	8
5	MME	1	1	3
6	Chemical	1	2	6
7	CSE	0	1	4
8	Biotechnology	0	1	3
9	Mathematics	0	6	2
10	Physics	0	1	3
11	Chemistry	0	0	2
12	School of Management	0	1	2
13	Physical Education	0	0	1

PS: There is one faculty member with four degrees from NITW. It is included in the 'three degrees' data.



# CHAPTER NEWS



## WARANGAL CHAPTER



Warangal Chapter donated two oxygen concentrators to the Institute Health Centre of our alma mater. They were handed over to Medical Officer Dr. C. Karthik on 20 July 2021 in the presence of Chief Patron, NITWAA Prof. NV Ramana Rao Director NIT Warangal, Prof. N. Selvaraj Dean (IRAA), Registrar Shri S Goverdhan Rao, Warangal Chapter President Shri Chandragiri Srinivas, Secretary Prof. A. Venu Vinod, Treasurer Prof. K. Anand Kishore, Vice-President Shri P Suresh Babu, NEC Member Shri P. Satyanarayana, EC Member Shri Prakash Chary



On 15th August 2021 Warangal chapter office bearers Er Chandragiri Srinivas, President, Prof A Venu Vinod, Secretary and Er K Anjaiah EC member visited the Tadvai Government Junior College to distribute college bags and water bottles to about 100 poor & tribal students.

The college is located in forest & tribal area in Tadvai, about 80 km from Warangal. The students are from very poor families with no proper gadgets needed for online education.

The college has about 100 admissions due to untiring efforts of the teaching staff led by Principal Shri Asnala Srinivas. It was observed that only 10% of the students have smart phones needed for online education. The students are very motivated and can excel in studies if proper support is extended to them.



## RAMAGUNDAM CHAPTER



In the wake of rising COVID cases, Ramagundam Chapter distributed N95 masks to street vendors and autorikshaw drivers.

## MP CHAPTER



MP Chapter organized a Tea Meet on 10 July 2021 at New Habibganj Station.

## HYDERABAD CHAPTER



Hyderabad chapter donated groceries to needy people near Hitech City on June 7 and 8, 2021. Thanks to the donation of Sri Gunji Kurali Krishna, Secretary NITWAA.

## HYDERABAD CHAPTER



With the support of Sri Jangam Gopi (BT/CE/93) Hyderabad Chapter opened free supply of Oxygen concentrators and cylinders.

# HONORS / AWARDS / DISTINCTIONS / IN NEWS



**Prof. SANDEEP SANCHETI**  
BT / ECE / 82

Prof. Sandeep Sancheti has taken charge as Vice-Chancellor of Marwadi University, Rajkot, Gujarat in March 2021. Previously, he was the Vice-Chancellor SRMIST Chennai.



**Dr. RAVI KIRAN AKELLA**  
BT / ME / 00

Dr. Ravi Kiran Akella working at Bhabha Atomic Research Centre has been honored with Outstanding Doctoral Student Award 2021 in Engineering Sciences by the Homi Bhabha National Institute, Mumbai



**A Md IMTIAZ**  
BT / CE / 86

Sri. A Md Imtiaz Collector Krishna District, has been posted as Special Secretary to the Government, Minorities Welfare Department, Government of Andhra Pradesh. He is placed in Full Additional charge of the post of Director, Appeals, O/o Chief Commissioner of Land Administration (CCLA), A.P.



**CH R K CHARY**  
BT / CHE / 01

Sri. Ch R K Chary has been honored with Indian Achievers' Award 2020 by Indian Achievers' Forum. Shri Chary who is working as Senior Environmental Engineer at Kuwait Oil Company was the recipient of the Distinguished Young Alumni Public Service Award 2016 by NIT Warangal



**CHANDRA REVURU**  
BT / CE / 83

Sri. Chandra Revuru working as Program Director at APTIM (www.aptim.com) New York has been selected as Editorial Advisory Board Member for the construction industry popular "The Construction Specifier" magazine for a two-year term starting from January 2021.

His project (at APTIM), for which he was the lead, received the Project of the Year & Honorable Mention Award given by the Construction Management Association of America (CMAA).

His better half, Dr. Radha Rani Poluri (BT/ECE/83) also graduated from NIT (REC) Warangal. Dr. Poluri is working for Qualcomm.



**MADHURA SREEDHAR REDDY**  
(BT / ME / 94)

SonyLIV has appointed Sri. Sreedhar Reddy Komalla as Head - Telugu content, digital business. In his new role, Reddy will primarily focus on leading the expansion of the Telugu section of SonyLIV. (He was featured in the October 2021 issue of our Newsletter).

He has worked for IT companies like TCS, Infosys, Wipro and Tech Mahindra and left IT career to pursue film making.



**VENUGOPALA REDDY TAMMA**  
BT / CE / 00, MT / CE / 02

Sri. Venugopala Reddy Tamma has joined as the Superintending Engineer (Engineering and Maintenance Unit) at NIT Warangal.



**RAMBABU KAIPA**  
MCA / CSE / 91

Sri. Rambabu Kaipa received appreciation certificate from Ms. Swati Lakra, IPS and Ms. Sumathi Badugula, IPS for the work done along with Akshaya Patra Foundation during lockdown



**PROF. M. RAVINDER REDDY**  
PhD / Maths & HUM / 90

Prof. M. Ravinder Reddy has been nominated as Head of School of Management for the second time.



**Sri. CH SRINIVASA RAO**  
BT / MET / 84



**Sri. K SATYANARAYANA (SATYAM)**  
BT / MET / 84



**Sri. N V SWAMY**  
BT / MET / 84



**Sri. MSV KRISHNAIAH**  
BT / ME / 84

Hearty Congratulations to the proud Alumni for on promotion- from General Manager to Chief General Managers at RINL - Vizag Steel Plant



**Dr. K. NARASIMHULU**  
BT / CHE / 00, PHD / BT / 13

Associate Professor has taken over as Head, Department of Biotechnology NIT Warangal



**Sri. CHANDRAGIRI SRINIVAS**  
BT / CE / 91

Warangal chapter President Er Chandragiri Sreenivas received Best Engineering Officer Award from District Collector Jangaon District on the eve of Independence Day



**GANESH**  
BT / EE / 90

Sri. Ganesh (Roll of Honor) has been posted as the Divisional Railway Manager, Southern Railway Chennai.



**Dr. SOJAN LAL**  
MT / CSE / 93

Dr. P. Sojan Lal has been selected as Secretary of Association of Principals of Engineering Colleges in Kerala Technical University (APECK), Kerala.

Under his leadership as Principal, MBITS (www.mbits.edu.in), Kothamangalam, Kerala received Edufuture Excellence National Award 2021 under the category "Outstanding Innovation by Engineering Institute" by Zee Media, India. This award was initiated by AICTE, India.



**SADI SYAMPRASAD REDDY**  
BT / ME / 03

Sri. Sadi Syamprasad Reddy has been appointed as the Chairman for Andhra Pradesh Society for Employment Generation and Enterprise Development.



**Sri. NARAYANA MURTHY**  
BT / ECE / 85

Distinguished Scientist and Director of RCI Hyderabad BHVS Narayana Murthy has been appointed as Director General, Missies and Strategic System, DRDO Hyderabad.

He is the fourth alumnus from NITW to occupy the position. Others are KVSS Prasada Rao (BT / EE / 69), A Subhananda Rao (BT / ME / 73) and N. Malakondaiah (BT / MET / 73).



**VNR NAIDU**  
BT / MET / 93

Sri. VNR Naidu, is appointed as Chief General Manager, Indian Govt. Mint, Mumbai.



**BHANUMURTHY BALLAPURAM**  
BT / ME / 85

Wipro Ltd. former president and chief operating officer

Sri. Bhanumurthy Ballapuram has joined Google Cloud as vice president of the Japan and Asia Pacific region.

# CLASSMATE COUPLES



BT / CHE / 05

**Shrilata Vakkalagadda**

Graphic Designer, Brillio (Bain Capital), Bangalore

**Abhishek Tripathi**

Senior Manager, Process Excellence, Unilever  
Bangalore



BT / CHE / 94

**Deepa Maindwal**

**Rohit Maindwal**

Chief Operating Officer at JBF RAK in UAE



BT / CHE / 00

**Archana**

Remote Sensing Data Scientist  
Corteva Agriscience Des Moines, Iowa, U.S.A.

**Vijay Koti**

Solutions Architect, ERP, Corteva Agriscience,  
Des Moines, Iowa, U.S.A.



BT / EE / 14

**Pavan Kumar Talla**

**Chaithanya Surapaneni**

Founders, Controlytics AI Private Limited.  
Hyderabad

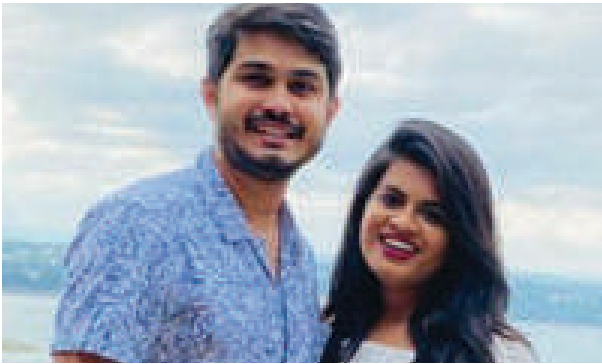




BT / CHE / 14  
**Vineel Aruri**  
 Sr. Engineer, KBI Biopharma  
 Durham, North Carolina  
**Sri Dithya Atluri,**  
 Manager, American Regent Inc.  
 Columbus, Ohio



BT / CHE / 16  
**Kompally Vishal Kumar**  
 Senior Research Officer (IOCL R&D)  
**Kakkerla Anusha**  
 Garments Designer



BT / BT / 15  
**Sahith Reddy K**  
 Solution Architect, o9 Solutions  
 Dallas, Texas  
**Monika K**  
 Data Scientist, AblnBev  
 Dallas, Texas



BT / EE / 83  
**Vidyanath Reddy**  
 Managing Director, Shakthi Seeds Pvt Ltd  
**J Uma Rani**  
 Consultant, The Ministry of Power,  
 Govt. of India



BT / ECE / 83  
**Anuradha**  
 Worked AT&T, New Jersey, USA  
**Shiva Prasad**  
 Managing Director, JP Morgan Chase  
 New Jersey, USA



BT / CHE / 05  
**S Usha**  
**N Ramu**  
 IT consultants UK

# 3 FROM FAMILY



**Sri. AV Suresh Babu**  
BT / ME / 78-83  
General Manager (Rtd)  
IOCL



**Dr. A Sarath Babu**  
BT / CHE / 84  
MT / CHE / 87  
PHD / CHE / 16  
Professor  
NIT Warangal



**Dr. A Venu Gopal**  
MT / ME / 90  
Professor  
NIT Warangal

# 1<sup>st</sup> GIRL TOPPER



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**SARALA MENON**

(BT / CHE / 79-83)

Executive Vice-President, Colgate-Palmolive, Mumbai

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Sarala Menon (Bhaskaran) was the first girl to top at NITW since it was started in 1959. She subsequently completed her MBA and has worked in various companies Hindustan Lever Ltd, Asian Paints Ltd. and is currently with Colgate Palmolive and is part of the leadership team as EVP - Manufacturing and Product Supply Chain.

Sarala has also worked across different geographies in Colgate HO at New York as the Supply Chain Lead of the Global Business Planning Team and as Director - Customer Service & Logistics for Central Europe West comprising of Germany, Switzerland and Austria before coming back to India in late 2019 to her current role.



# POEMS



**Sri. Srinivas V Atluri**

(BT / ECE / 83)

**President, NIT Warangal Americas Alumni Chapter  
Lead Performance Engineer at SAP SuccessFactors (Palo Alto, CA, USA)**

## ISM (Irrevocable Sure Move)

One day, prince Siddhartha had enlightenment  
And turned himself to the Buddha and propagated Buddhism.

Emperor Ashoka had a change of heart,  
After the Kalinga war and promoted humanism.

The desire for faster progress since the industrial revolution,  
Resulted in massive changes and seeded capitalism.

The yearning for liberty and human rights,  
Eclipsed kingdoms and dictators and led to democratism.

This terrifying and dangerous covid pandemic  
Forced people's behavior into isolationism.

Srinivas V Atluri

## Oxygen

With the globalization and globetrotting ways having been  
Dealt a massive blow because of the Covid pandemic

Perhaps, it is the right time to rethink and rejigger our ways  
To reduce the global warming for our own sake and survival.

Whether it is the previous gen or the current gen  
Or for that matter the next gen and future gens

What everyone needs is the air rich with oxygen  
Which we take for granted, but do not realize the stakes.

Srinivas V Atluri

# IN BRIEF....



## ASHUTOSH... ALUMNUS ....ART

Shri Ashutosh Shandilya (BT/CHE/05) is a Mineral Beneficiation Expert in the Mineral Industry with 15 years of experience.

On the personal front, Ashutosh has won many awards at National and International levels for modern art. His efforts in modern art have been recognized by Kalam's world records, Extraordinary world record, India book of records, Marvelous book of records and High range book of records.



### Late Smt Sangeeta Raj

BT / CHE / 05

QA Team Leader at Fosters Group  
Pacific Limited, Queensland, Australia  
Left us on 17-03-2021

The Classmates of Late Smt. Sangeeta Raj (BT/CHE/05) have donated an amount of Rs. 5.03 lacs to the Department of Chemical Engineering, NIT Warangal to set up a Sangeeta Raj Memorial fund. The contribution was coordinated by her classmate Dr. Harish Vashisth, Associate Professor at University of New Hampshire, USA.

# WHEN I JOINED AS LECTURER....

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**Prof. A. Venu Vinod**

Department of Chemical Engineering  
NITW

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“

I joined as Lecturer in February 1996. A mechanic of our Department who did not know that I joined as a faculty member, but otherwise remembered me as a student tapped me on my shoulder from behind and asked "Why are you roaming here? Have you not cleared your backlogs?"

”

# OBITUARY



**Late Prof. B G Krishna Reddi**  
BT / ME / 64, MT / 68, PHD / 78  
Ex Dean Student Affairs &  
Prof. Mechanical Engineering,  
NIT Warangal, Left us on 17-07-2021



**Late Sri Y A S Pulla Reddy**  
BT / CE / 73  
Retd. Executive Engineer, Irrigation Dept. A.P.  
Left us on 18-05-2021



**Late Sri R Simhachalam**  
MT / CE (Transportation) / 09  
Left us on 22-05-2021



**Late Dr. Gade Padmanabham**  
MT / MET / 87  
Director, International Advanced Research Centre for  
Powder Metallurgy and New Materials (ARCI), Telangana  
Left us on 03-06-2021



**Late Sri Ravikesh Singh**  
BT / CSE / 08  
Sr. Computer Scientist – Adobe, Noida, India  
Left us on 09-06-2021



**Late Sri AmarnathMunigeti**  
BT / ECE / 95  
Vice President, JP Morgan Chase,  
United States  
Left us on 12-06-2021

# OBITUARY



**Late Sri P Sanjeeva Rayudu**  
BT / CE / 72  
Retd. Dy. Executive Engineer (R&B)  
Left us on 06-06-2021



**Late Sri V S Tiwari**  
BT / EE / 78  
Left us on 21-06-2021



**Late Sri B Ravi Sankar**  
MT / CE / 01  
Practising Civil Engineer, Rajahmundry, A.P.  
Left us on 23-06-2021



**Late Sri Sanjay Paul**  
BT / ME / 87  
Left us on 29-06-2021



**Late Sri R S Gupta**  
BT / CE / 70  
Left us on 03-07-2021



**Late Dr. Ramaiah Kondety**  
BT / MET / 82  
Retd. Welding Officer, BHPV, Vizag  
Left us on 08-07-2021



# OBITUARY



**Late Dr. M Adilaxmi**  
MSc / 07, PHD / 19  
Assistant Professor, Mathematics, KL University,  
Hyderabad. Left us on 16-07-2021



**Late Sri Prem Swaroop**  
BT / EE / 95  
Investment banker, Essex, UK  
Left us on 27-07-2021

# GIVING BACK

Alumni are requested to contribute generously in the development of NITW and NITWAA.

S No	Name of the account	Account Number	Remarks	Purpose of account
1	NIT Warangal Alumni Association	40042638504	Donations exempted u/s 80G	To promote cultural, recreational & social activities beneficial to the students, Alumni and to the society and for welfare of the Alumni and students
2	NITW Foundation	40052100518	Donations exempted u/s 80G	To promote the Technological development among staff and students and for the infrastructure development
3	NITWAA Welfare Fund	40145942110		For needy alumni on health and other genuine grounds
4	NITW Alumni Association (Centre of Excellence)	62467236626		For GTDTC

CSR Contributions are also tax exempted.

**Bank Details:**

Name of the Bank: State Bank of India

Branch: NIT Campus, Warangal

Branch Code: 20149

IFSC No.: SBIN0020149

MICR Code No.: 506002030

SWIFT Code No.: SBININBBH14

**For further details, please contact**

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secretary.nitwaa@gmail.com

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