

SRI PRAKASH NEWSLETTER



day - cum - residential school



Padma Vibhushan Dr. Belle Monappa Hegde B. C. Roy Awardee

"Make yoga a part of the mainstream education as it gives Chitta Vritti ".

It was an honour to have Dr. Belle Monappa Hegde, Padma Vibhushan, Padma Bhushan and Dr.B.C Roy awardee, medical scientist, educationist and author at Sri Prakash Vidyaniketan to address the students. He spoke about the British regiment and the efficiency of Indian leaders. He emphasised that the school is working the way it has to; focusing on the holistic development of the children. Dr. Hegde appreciated 'Yoga' practice in our school.



Our Inspiration - Our Guide sri Ch.V.K. Narasimha Rao

VOL.: 18 - ISSUE: 3

JANUARY 2020 - APRIL 2021

PROUD PRAKASHITES' RESULTS AT A GLANCE CBSE CLASS X 2021 K. RADHA





KRISHNA

P.SAHITHYA

Adaptability is the Call of the day and so are we Research Foundation, for motivating new challenge to nurture e-learning for holistic growth and engage children in the best of the endeavors be it academic augmentation, facilitating online competitions, celebrating important days, imparting e-learning with the best of the resources, conducting online classes, seminars, workshops and training the staff, celebrating National Festivals, engaging children in summer camps and so on. The list is endless as the effort is always on to nurture today's children into great men & women of tomorrow. Though it was difficult for all to adapt to the challenge initially, it really opened some great opportunities for both learners and teachers. The teachers took to the new teaching methodologies by presenting their knowledge in a bolder way not deterred by the unprecedented challenges. Concepts were imparted with excellent teaching resources online not compromising on the content. Resources like the launch of the e- learning platforms have broadened the learning arenas with endeavors like online based learning supplements from the school, In this regard we would like to extend our unfathomable gratitude to all the luminaries who have contributed to the augmentation of learning at Sri Prakash starting with Swami Swasam Director, Care

at Sri Prakash . Once again we have taken to this teachers on teachers' day. We are ever so thankful to Dr A.P.Jayaraman Retd. Sr. Nuclear Scientist, BARC & Mr.Kevin Schott, Associate Director of Interpretive Programs, University of Pennsylvania , Museum Of Archaeology and Anthropology, USA to have conducted a STEM workshop on history and science. My humble regards to Retd. Lt General N S Malik And Dr Prayaga Murthy Mohana Krishna, Director National Health Services, Prof. Ganti Surya Narayana Murthy for imparting the values of service to the nation among the prakashites. I am truly thankful to Dr Damodar Ambur & Mrs Manjula Ambur, Nasa for educating the children regarding NASA. We are also thankful to COL.D.V.L.S.S.Raju, Commanding Officer for garlanding Netaji Subhash Chandra Bose on his 123rd Birthday Anniversary along with the NCC on the theme Cadets. Iam truly thankful to Mr.Iqbal, Lt.Gen.N.S.Malik P.V.S.M (Retd) and Prof. **G.S.Murthy** to have imparted their expertise to the Prakashites. I specially thank Dr Paul S. **Douglas**, Associate Prof. and H.O.D, A.U. College of Engineering to have witnessed the exhibition of innovative models on science made by them. We extend our special thanks to Kashyap Nishtala, Product Manager@Path Robotics for Vedyanandji, R.K.M ission ,Visakhapatnam and conductiving a fun filled and interesting two days Dr. B.M.Hegde- National Awardee, Padma robotic workshop .We extend a special regard to Vibhushan & B.C.Roy Awardee, Dr. G.Surya our pride - our alumni who have always motivat-Hospitals, ed Prakashites and have made it so special with Secunderabad, Dr. K. Srinivasa Rao, Founder their presence and achievements like Dr. Celebrations 2020. and M.D of Indian Institute of Bio-technology Pvt. Pattisapu Sri Vidya who spoke on the impor-Ltd. Mr. B.K.Rai to have consented to grace the tance of planning and execution and Mr. Rahul We would like to specially congratulate class XII republic day celebrations. Further more we Ranjan, Scientist /Engineer SCLPSC,ISRO and class X students for their outstanding perextend our respectful greetings to Rajyogi Dr. Bangalore for speaking on ISRO and society. We formance in AISSCE AND AISSE, CBSE Board B.K. Mruthyunjaya, Executive Secretary Brahma are ever so thankful to sri B.K. Agrawal, Kumaris, Mount Abu for enlightening the parents Renowned, Photographer, to have always stood our dedicated staff who could adopt to new methand prakashites at VUDA Children's Theatre. We by us for etching the photography skills among ods of online teaching facing the challenges & I extend our warm regards and respects to Dr. the prakashites. We are always thankful for his also thank the parents for their care and support. Sultan Ahmed Ismail M.D. Eco Science august presence on the photography day celebra-

all the tions and involvement in encouraging our young photographers. Competitive spirit is an important skill and to be able to build that I extend our young achievers and congratulate them for their achievements . I congratulate the Basket Ball -CMR Mobile Basket Ball Tournment. under 17 -Winners, Ahamahamika book quiz 1st Prize Winner Manvit Reddy std VI & 2nd Prize winner Lasya Priya - V, in the UIMO (Unified International Maths Olympiad) - CH Dinesh Venkat Vali won

National Rank -82 & also Ms. V .Ashwika Kundan for winning 1st Prize in the Online art/drawing competition conducted by CSIR- NISCAIR 'Corono virus an invisible Enemy' on the occasion of International Customs Day Celebrations &



Sri Ch. Vasu Prakash Director -Sri Prakash Vidyaniketan

CBSE Expression Series, L. Navadeep Naidu and B. Krishna Teja won the 3rd prize in the quiz. In the Basketball Tournment held at Andhra University grounds - in the Juniors Aditya Nandan, Saurab Raj -of class X were Selected for Nationals, P. Kartik for winning First Prize in Painting Competition, World Space Week

Exams despite the pandemic. I would like to thank

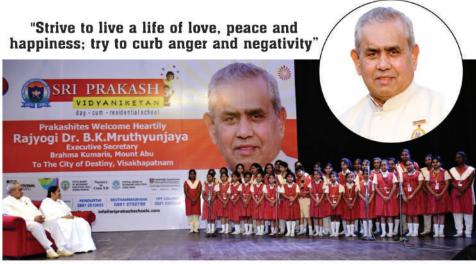




Master Minds



"UTILIZE THE UNIQUE INTELLIGENCE EACH ONE OF YOU IS BESTOWED WITH"



Rajyogi Dr. B.K.Mruthyunjaya, Executive Secretary, Brahmakumaris, Mount Abu & Sister B.K. Shivaleela, Incharge, Visakhapatnam District

Rajyogi Dr. B.K. Mruthyunjaya, was to him as a token of respect.

Inculcate divine qualities and live a facilitated at Vuda Children's wholesome life" - said Rajyogi Dr. Theatre. He was welcomed with B.K. Mruthyunjaya, Executive sec- Prakashites singing a melodious retary of Brahma kumaris, Mount song followed by the big picture of Abu. A parent's interaction with the very Rajyogi and presenting it



BK Supriya, Rajyogi, Dr. B.K.Mruthyunjaya, Director Ch. Vasu Prakash & BK Shailesh Bhai

A PEEK INTO THE WORLD OF NASA

Dr. Damodar Ambur & Ms.Manjula Ambur from **NASA Research Center Langley, take Prakashites** on a journey into NASA



'Whatever you do, do it with sheer passion that resides in you.'

Dr. Damodar Ambur and Ms. aeronautics, space exploration and them to manage day to day require- cessful in any field. ments, especially in the field of

Manjula Ambur retired from NASA, science. The discussion on robots after putting in 27 long years of going to space along with humans service at Langley Research Centre, to manage crisis, pilot made Hampton, Virginia US, spent a few machines advising pilots themmoments of their time with selves in the event of flight crisis, Prakashites, giving inputs to their possibility of landing on moon and curious minds. The students Mars and so on, kept the curiosity remained inquisitive throughout the alive in the minds of the students. session as the duo spoke of the Answering the query of a student possibility of the artificial intelli- He also advised the students to nurgence accompanying and assisting ture self discipline which is the the human intelligence in aiding foremost pre-requisite of being suc-



Lt. Gen. N.S.Malik P.V.S.M., (Retd), Dy Chief of Army Staff, Dr. Prayaga Murthy Mohana Krishna, Prof. Ganti Surya Narayana Murthy

addressed the students. The students were encouraged to be a part of defence services in India. He stressed the fact that more number of girls should step forward to take up posi-



tions in defence, as the opportunities are open to them - even to command. He suggested the students to always try to remain alert. Lt. General Malik engaged the students as he narrated events from his life - right from his student ship, to his service in Army which began in the year 1951, being a part of a Family which is devoted to the services in defence. Dr. Prayaga Murthy, Director National Health Services & Prof. Ganti Murthy spared his time for our students. In his message to the present generation, he advised and motivated the students to remain humble, responsible and to utilise the unique intelligence each one is bestowed with, in order to develop into wonderful individuals in general and responsible and valuable citizens of our land in particular.







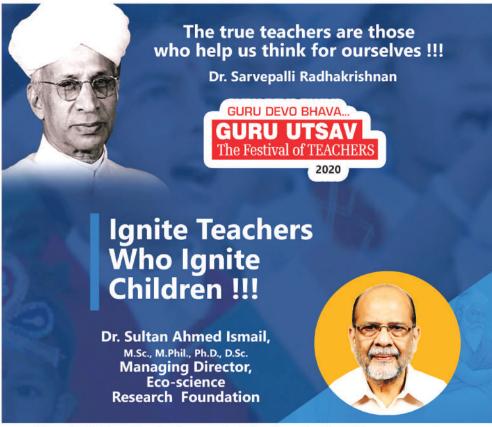
Vice Admiral (Retd.) Raman Puri, PVSM, AVSM, VSM, Distinguished Fellow, VIF





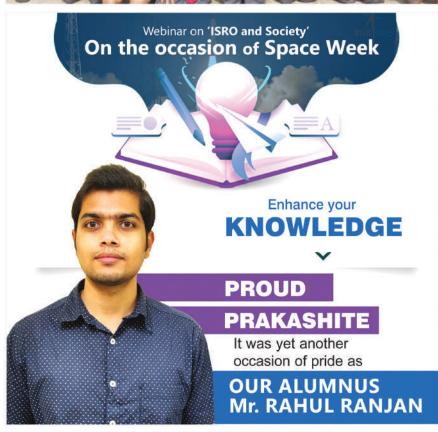






"Futuristic learning is the need of the hour be it children or teachers.

Today's Teachers must draw the attention of the young learners to be able to transform them into responsible learners with concrete knowledge."



Scientist / Engineer 'SC' LPSC, ISRO, Bangalore
Shared his experiences and conducted a webinar on the topic
"ISRO & Society"

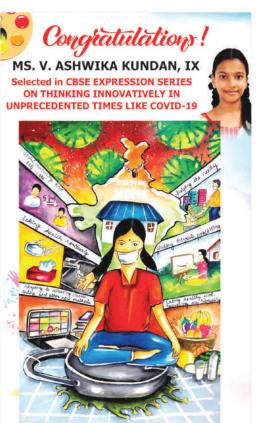


Kashyap Nishtala

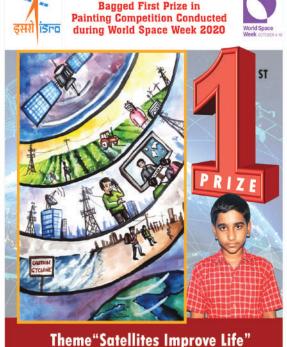
Product Manager @ Path Robotics
Carnegie Mellon Alumnus
Two days robotics workshop was
conducted on
classification of Robots and
robotic applications in industry
it was a interactive session when
students did hands on activities
creating coding and its methods
digging deep into nuances of
coding and decoding in robotics
with happiness & deep interest.



The students of Sri Prakash expressed their gratitude with a formation in the shape of 'sthree' the Sanskrit word for woman on the occasion of International Women's Day.

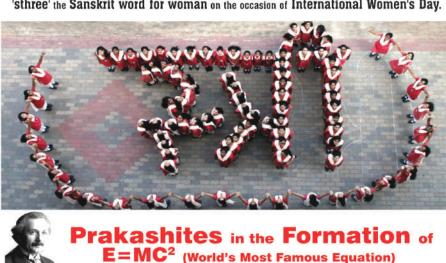


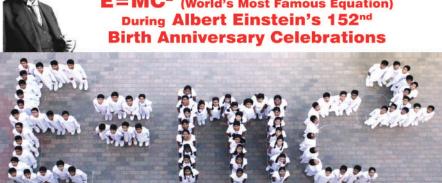
TOPIC : I turned the challenge into an opportunity



CONGRATULATIONS !!!
P.Karthik, viii

Satish Dhawan Space Centre SHAR
Indian Space Research Organization,
Dept. of Space, Govt. of India





Curricular Activities





71st Republic Day was celebrated with grandeur at Sri Prakash Vidyaniketan , Visakhapatnam in the august presence of Padma Vibhushan and Dr.B.C Roy awardee Dr. Belle Monappa Hegde, Dr. K. Srinivasa Rao, Founder and Managing Director of

Indian Institute of Bio technology Pvt. Ltd. India and Dr. Gulla Surya Prakash, Director Care Hospitals, Secunderabad, Sri B.K.Rai and Sri Chitturi Vasu Prakash, Director. Swami Swasamvedyanandaji, Rama Krishna Mission, Vizag





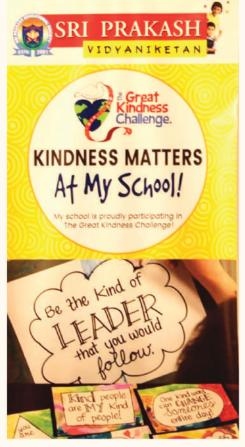
Padma Vibhushan & Dr.B.C Roy awardee Dr. Belle Monappa Hegde, Dr. K. Srinivasa Rao, Founder and M.D., Indian Institute of Bio technology Pvt. Ltd. Dr. Gulla Surya Prakash, Director Care Hospitals, Secunderabad, Sri B.K.Rai and Sri Chitturi Vasu Prakash, Director.







Swami Swasamvedyanandaji, Rama Krishna Mission, Vizag





Prakashites participate in "The Great Kindness Challenge" during the 'Joy of Giving Week' from 27th to 31st January 2020.



Prakashites in 'Joy of giving week' celebrations with M.P.U.P. school children









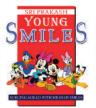
LET'S nurture compassion THROUGH THE GREAT KINDNESS CHALLENGE ACTIVITIES | ANYONE, ANYWHERE, ANYTIME

Great Kindness Challenge, a worldwide positive and proactive initiative was geared up by the prakashites of grade I - XI during a week day programme during the month of January. The core objec-

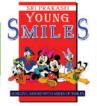
50+ activities was to improve the this challenge and showcasing the school climate and escalate the students' engagement. Students many acts of kindness as possible.

world that KINDNESS really MAT-TERS. They started reiterating the deserve an appreciation to have fact that kindness is the strength participated enthusiastically in as and has the power to transform the world for GOOD. Each and every stutive behind piloting the scheduled They were found to be accepting dent got an opportunity to shine

through their demonstrations of kindness acts. The acts have been accomplished in the campus which resulted in sharing the kindness in their homes, in their communities and progressively in the world.







Nurturing Young Minds to Innovate

FLL (First Lego League) Competition

FLL was conducted on January 18th and 19th in The Aga Khan Academy, Hyderabad. In this Challenge, nine participants registered while six attended. Every year, FIRST LEGO League releases a Challenge, which is based on a real-world scientific topic.

Each Challenge has three parts: the Robot Game, the Innovation Project, Robot Design and the Core Values. Teams of up to ten children, with at least two adult coaches, participate in the Challenge by

programming an autonomous robot to score points on a themed playing field (Robot Game), developing a solution to a problem they have identified (Project), all guided by the FIRST Core Values. Teams may then attend an official tournament, hosted by our FIRST LEGO League Partners. FLL Organisers prepared schedule for conducting competition which each team should follow on both the days.



CHALLENGE

Prakashites participate in First Tech Challenge 2019-20

FTC - First Tech Challenge ing principles, while realiz- factors for implementation, Robotic Competition 2019 - ing the value of hard work, strategic & design thinking 20 was conducted from Jan innovation and working as a 30th to Feb 2nd, 2020 at team. During the 2019-2020 Pune with an aim to develop FIRST GAME CHANGERS, the challenging skills to powered by Star Wars: Force and can be coded using a design, build, program and for Change season, the stuoperate robots and compete dents were offered chal- based programming. Teams in a head-to-head challenge lenges for all FIRST proin an alliance format. A team grams that could immerse of five students availed the students in hands-on innovaopportunity to participate in tion learning and further the FTC Robotic Competition. develop their confidence and Guided by adult mentors in skills in observing problems order to improve STEM and opportunities, business championship events and an (Science, technology, engi- and marketing development, neering and mathematics)

understand and use research skills and practice engineer- findings, efficient design,

and entrepreneurship & innovation process. The robot kit is reusable from year to year variety of levels of Javadesign and build robots, raise funds, design and market their team brand, and do community outreach to earn specific awards. Each season concludes with regional exciting FIRST Championship.

















Mr.Rakesh Baweja, Vice president, **FIAT India Automobiles Ltd**

Information is not Knowledge. The only source of Knowledge is experience. You need experience to gain wisdom - Albert Einstein



This quote stands good for all of you for sharing your wealth of knowledge and wisdom. Sri Prakash extends special regards and thanks to Sri Pappu Hanumatha Rao, Eminent Educationist, Smt. Pappu Subba Laxmi, Sri Dilip Surkar, Executive Director, VASCSC, Dr. Meegada Ramalinga Swamy, Actor, Play Wright, Director, Ms. Manjusha Dangeti, Renowned Photographer, Major Genl Sanjay Soi (Retd), Dr.A.P. Jayaraman, Retd. Senior Nuclear Scientist, BARC. & Swami Swasam Vedyanandji, RK Mission, Vizag

Untold journey of S.Radhakrishnan | Sri Pappu Hanumantha Rao https://www.youtube.com/watch?v=7ATOJlvaIso

Dr. Meghnad Saha, Indian Astrophysicist | Sri Pappu Hanumantha Rao https://www.youtube.com/watch?v=cy0nGF0Y58o

Dr. Niels Bohr, Nobel Laureate | Sri Pappu Hanumantha Rao https://www.youtube.com/watch?v=Dm 7ZQB-jG0

Nobel Laureate Marie Curie | Sri Pappu Hanumantha Rao https://www.youtube.com/watch?v=6gmqQwK7Wa0

Story of Jagadish Chandra Bose I Sri P. Hanumanth Rao https://www.youtube.com/watch?v=q7JA96gcuQc

Padma Vibhushan Dr. Satyendra Nath Bose | Sri P. Hanumanth Rao https://www.youtube.com/watch?v=7e2FhI0UoGw&t=209s

National Youth Day | Inspirational talk by Swami Swasam Vedyanandji https://www.youtube.com/watch?v=kgi0Zd7Clko

Telugu day importance talk by Smt.Pappu Subba Laxmi https://www.youtube.com/watch?v=YT7-cs60jjU&t=32s

Importance of Vijaya Dasami talk by Smt.Pappu Subba Laxmi https://www.youtube.com/watch?v=IcFM3q2C07s

Dr. Vikram Sarabhai 101st birth anniversary message by Sri Dilip Surkar, Executive Director, VASCSC https://youtu.be/e-PUQaNJ3Js

Telugu day importance talk by Dr.Meegada Ramalinga Swamy https://www.youtube.com/watch?v=gzgXq9s--qk

Ms. Manjusha Dangeti, Renowned Photographer tips on food photography https://www.youtube.com/watch?v= dJ7-Z8tjlk

Major Genl Sanjay Soi(Rtd) message for Prakashites 74th Indian Independence Day https://www.youtube.com/watch?v=jpcCT48DkNI&t=57s

National Youth Day | Inspirational talk by Dr.A.P. Jayaraman https://www.youtube.com/watch?v=Q2w2hAMjYbo

Prakashites participate in the 6th India International Science Festival (IISF) 2020 with Jeopardy Aahar Game. Under the aegies & humble guidance of Dr. Srinivasa K.Rao, Ph.D. Prakashites conducted and played Aahar Game! led by Ms. Lalitha Rama Moorthy as a part of the Guiness World Record attempt activity.









Achievements







P. RAMYA **500**









Technology Aided Learning

Innovative Teaching Methods

CBSE curriculum based pedagogy with

equal focus on theory and practicals

Spacious classrooms

Individual Attention

Well equipped Library

Best Faculty

PHYSICS CHEMISTRY MATHEMATICS **BUSINESS STUDIES**, **ECONOMICS & ACCOUNTANCY** MATHEMATICS, **BUSINESS STUDIES, ECONOMICS & ACCOUNTANCY**

448



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SRM and other best universities

Course & CA Foundation

faciliites for boys & Girls

Career guidance & counselling programs

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Sri Prakash Newsletter



Curricular Activities







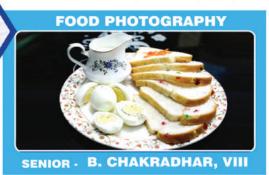
YOUNG **PHOTOGRAPHER** ONLINE CONTEST-2020

HAPPY WORLD PHOTOGRAPHY DAY



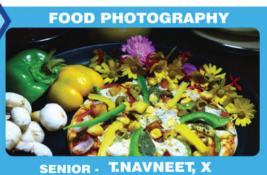


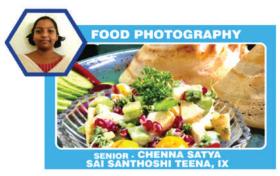


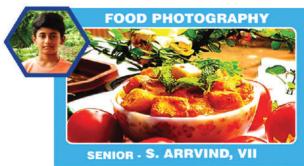




rd **Prize**







Consolation Prizes











G.Manmith Reddy, VI
Stood first in the prestigious
Ahamahamika Book quiz 2020
conducted by NSTL beating

650 participants from 21 schools



Place





Consolation Prizes

SESHADRI

Heritage Intach Article by B. Neha



"Wildlife Week 2020" **Celebrations Drawing Competition** Smt. Yesoda Bai, R., IFS., Curator Indira Gandhi Zoological Park



GARAI



PATTJOSHI

Prakashites presenting the importance of Mother Language



Mr Aravind, Chrysalis, IBM and Mr George, IBM



CMR Cup District Inter Schools Mobile Basketball Championship Winners







also brought laurels to the school by standing in the top 40

CBSE Class X Results at a Glance 2021 Pride of

Sri Prakash



P. SHERLEY SONALI **500**



B.RAHUL 500



K. RADHA KRISHNA 500



P.SAHITHYA 500

490 & Above - 03 485 & Above - 09 480 & Above - 14























VENU SAI SAI SAMPATH YELESVARAPU RAVI KANTI

ROOPANJALI BEERAKA

M. SNEHA SATWIKA

RUDRA PRASAD MOHANTY

DURBHA PATTJOSHI SAI SIDDHARTH

S.P.ABHIRAM CHOLA CHETAN V.POORNIMA CHUKKALA

482 486 484 483 482 482





















NANDAN



GAIN

PAPPLA

THUMMALA

T.SIVA RAMA **SREEKARI**

SUPRIYA

TANMAY JAYANTHI

KRISHNA TEJA

PATABALLA

BOPPANA YASWITHA

SRAVYA KODUGANTI 468

468

HARSHITHA



468























KRISHNA SASTRI KOTIKALAPUDI

PRASAD

SAI SRAVYA NAMBARI

KUMAR

S.V.SASIDHAR 465 465

S.S.LAXMI BINDUSHA

464 464

LAKSANA V 464

KOTA MIRIAM **SNOWWHITE** 464

YALLANKI HEMANTH GUNA 463 463























RONGALI

KILLI LAXMI ARIPAKA EKNATH **PURNIMA** SAI BALAJI

M SIRI SATHWIKA

NAMRATHA

B.V.DHANUSH



460 459



KOMMISETTY 458

VIDYADHARI

THINGOM DUSHANNA

M.G.MEGHANA











SAGAR JAIN



SAM PRATIK





ABHISHEK

TATAVARTHY



K.SRI PAVAN

SADHVIK



NAIDU

LOKDEEP





G. DHANUSH



ABHIRAM

PAPPALA

ANURAAG SARMA





VAIDIKA

BALLA





B VENKET

KUMAR

SRI HARSH





KUMAR



KONGARI

MOHAMMED **FARHAN**





SASTRY AMMU R. RESHMA



T.SHALINI







SIRLAPU

SAURABH RAJ

452



NAGOTHI

450

SAI KEERTHI

YERRA



MANASA

450



PRAKASH

VORUGANTI

PAVAN KUMAR MANORANJAN E











450







ROUNAK SHARMA



JANANI MULA 449

CHATHURYA B. NEHA PRABHA BATTULA 449 449

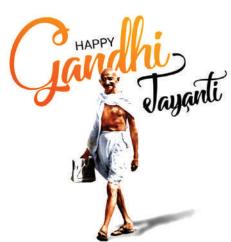
SRAVYA

SATTI SAI SHIVA RUTHVIK 448 448

KOTTANA 448

CHAKRAVARTHI

'STRENGTH DOES NOT COME FROM PHYSICAL CAPACITY.
IT COMES FROM AN INDOMITABLE WILL'.
PRAKASHITES CELEBRATED GANDHI JAYANTI
PAYING TRIBUTES TO THE 'FATHER OF NATION'











The biggest and boldest years are passing by the global christening might be pandemic but it has brought about a new awakening, new learning, once again we have taken to this new challenge to nurture e-learning for holistic growth and engage children in the best of the endeavors be it academic augmentation, facilitating online competitions, celebrating important days, imparting e- learning with the best of the resources, conducting online classes, seminars, workshops and training the staff, celebrating National Festivals, engaging children in summer camps and so on. The list is endless as the effort is always on to nurture today's children into great men of tomorrow.

ONLINE LEARNING



















Sri Prakash Newsletter



Curricular Activities

Highlights of National Education Policy (NEP-2020)



Learnt teachers can create a Learnt community. Hence learning is the only constant thing. Teachers must update themselves to shoulder the upcoming challenges and facilitate learners. Teachers had the opportunity to update with the new challenges during the pandemic and the new developments. Webinars and online workshops have provided the needed requirement with Sahodaya Conference 2020, Future Skills Prime, Art Integration Webinar Series on NEP, Shri Prem Kumar, Managing Students Behaviour, Development of Emotional Quotient in Students, National Educational Policy (NEP), Career Guidance and Counselling, Stress Management, NEP, Ethics and Integrity, Nurturing Creativity Collaborating Online Learning Circles for Students, Differentiated instruction in classroom.

VIRTUAL SUMMER CAMP

children during the pandemic, was a delightful treat. It platform to explore and express their creativity, in any

Perhaps best of all, camps offer kids a chance to feel like gave them an opportunity to learn new skills, while being form. They not only made memories while having fun but they belong. It s a great opportunity to explore new in a safe environment of their homes. Good number of they were able to face their fears, try new things, pushed things or dive deep into areas they love. The Summer students enthusiastically participated from classes I to their boundaries and realized self-sufficiency. Camp 2020-21, was organised by School, in the form of IX, in different activities. This Summer Camp aimed at activity worth doing has a learning curve. The Camp provirtual classes with Fun filled activities for the anxious keeping the students engaged 8 provided them an even vided some hands on experiences in the following areas:

SHLOKAS | CODING GEEKS | STEM @TOES STONE ART | WORLD OF IMAGINATION | MATH LOGISTICS GAME ZONE AND QUIZZES | YOGA | Fitness Spoken English | Jolly Phonics | Science Facts Handwriting | Maths Fun | Storytelling | Drawing | Video Time | Mind Power | Book Reading | Art on Plate | Origami







COMMUNICATE YOUR IDEAS TO INNOVATE AND BRING ABOUT A POSITIVE CHANGE- A 3 DAY NEXPLORER WORKSHOP AT SRI PRAKASH



like thinking about the big picture, think- issues.

A workshop was conducted by "Learning ing about connections, thinking about Links Foundation" for three days for the perspectives, thinking about the future students of standard 9 where they were and thinking about change were explained three domains of food, water stressed. It also said that a Persuasion and energy and the challenges associat- pyramid helps to communicate our ideas ed with them .These are new ways of to others. The workshop taught the stuthinking which involve exploring an dents the importance of working together issue, creating possible futures and pos- with a purpose embedded with the objecitive changes. Five types of NX thinking tive of finding solutions to complex STEM ACADEMY, UNIVERSITY OF PENNSYLVANIA MUSEUM OF ARCHAEOLOGY CONDUCTS A STEM PRO-GRAMME ON HISTORY AND SCIENCE.



Mr. Kevin Schott, Associate Director of Interpretive programmes in association with Dr A.P.Jayaraman conducted webinar on science of sound using Lukumbi, an African Drum and the science behind its acoustics. The expert from

the Penn Museum U S A. not only spoke about the Museum but also detailed the interesting facts about the natural process and how the sound is produced. The school especially thanked Dr. A.P. Jayaraman for his untiring efforts for the prakashites.



Dr. A.P.Jayaraman **Retired Senior Nuclear** Scientist, BARC: Chairman, National Centre for Science Communicators &

President, STEAM Academy



Mr. Kevin Schott **Associate Director of Interpretive** Programs, The University of Pennsylvania Museum of **Archaeology and Anthropology**





Famed Indian American Mathematician Padma Bhushan Manjul Bhargava

Manjul Bhargava is a Canadian-American

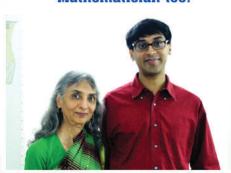
mathematician of Indian origin known for age and he excelled in the subject at

his contributions to number theory. A winner of the Fields Medal-a prestigious award given to mathematicians under 40 years of age-in 2014, he currently serves as the R. Brandon Fradd Professor Mathematics Princeton University and the Stieltjes Professor of Number Theory at Leiden University. Born Ontario, Canada, to parents who had migrated from India, he was intro-

to be a brilliant student and was highly gifted in mathematics—he completed all of his high school math and computer science courses by the age 14. Following high school, he completed his B.A. from Harvard University and was awarded the Morgan Prize for his research as an undergraduate. He received a Hertz Fellowship to attend Princeton University from where he completed his doctorate and embarked on an academic career. He has made several important

contributions to mathematics over his career and is especially known for his 14

The inspiration to become a Mathematician came from his mother who was a Mathematician too.



Manjul Bhargava's mother Mira Bhargava, a mathematician at Hofstra University. was his first mathematics teacher

new Gauss-style composition laws, derived from the works of the German mathemati-



MANJUL BHARGAVA MAESTRO 0F MATH AND MUSIC

Manjul Bhargava: Youngest Prof. at Princeton University

Childhood & Early Life : Manjul Bhargava was born on 8 August 1974 in Ontario, Canada. His mother Mira

Bhargava is a mathematician at Hofstra University. His mother tutored him in mathematics from a young

"You are never too young or

Manjul Bhargava, a Maths Professor who just won the

Fields Medal, once simplified a 200-year-old number

theory law with help of an Indian Mathematician's work

from 6th Century CE and the popular Rubik's Cube.

aThe President, Shri Pranab Mukherjee

presenting the Padma Bhushan Award

to Prof. Manjul Bhargava,

too old to follow your dreams"

cal genius Carl Friedrich issues related to science and technology. Manjul Bhargava has made several contributions to mathematics, especially to number theory. He developed several new techniques of counting objects in algebraic number theory which revolutionized the ways in which fundamental arithmetic objects in algebraic number theory are understood. His research has given rise to several exciting applications. About 200 years ago the German mathematician Carl Friedrich Gauss had discovered a remark-

> able 'composition law' for binary quadratic forms which is regarded as a central tool in algebraic number theory. Bhargava came up with a simpler geometrical technique to derive Gauss's law. The technique he developed also allowed him to obtain composition laws for higher-degree. Along with number theory he also made important contributions to the repre-

duced to mathematical concepts at an school. By the time he was 14, he had sentation theory of quadratic forms, to early age by his mother who was a mathe- completed all of his high school math and interpolation problems and p-adic analymatician at Hofstra University. He grew up computer science courses. He graduated sis, and to the study of ideal class groups of algebraic number fields.

> Major Works : Manjul Bhargava is best known for his works in number theory. He simplified Gauss's classical law for composition of binary quadratic forms, and derived 14 new Gauss-style composition

In collaboration with Arul Shankar, he proved that the average rank of all Fields Medal Winner Manjul Bhargava elliptic curves over Q (when ordered by height) is bounded. The duo also

from Plainedge High School in North proved the Birch and Swinnerton-Dyer conjecture for a positive proportion of elliptic

makes magic with Math

Awards & Achievements : He was given the Clay Research Award in 2005. The same year he also won the Leonard M. and Eleanor B. Blumenthal Award for the Advancement of Research in Pure Mathematics. In 2012, Bhargava became the inaugural recipient of the Simons Investigator Award.

In 2014, he was awarded the prestigious Fields Medal "for developing powerful new methods in the geometry of numbers. which he applied to count rings of small rank and to bound the average rank of elliptic curves." He was honored with the Padma Bhushan, the third highest civilian

Personal Life & Legacy : Bhargava Purushottam Lal Bhargava, a well-known scholar of Sanskrit and ancient Indian history. He is also an accomplished tabla player and has received training under prominent gurus such as Zakir Hussain.

Interesting facts about Manjul Bhargava : Bhargava is also an expert in the country that houses subject matter tabla player, He learned Tabla from Zakir Hussain. He also an expert in Sanskrit. He

is an admirer of Sanskrit poetry. He has also a genius in Vedic Mathematics.



The Intellect of the wise is like Glass it admits & reflects it -The Director, Ch. Vasu Prakash with Prof. Manjul Bhargava

Born **Nationality**

Hamilton, Ontario, Canada Canada **United States** Harvard University (AB)

8 August 1974 (age 46)

Education Known for

Awards

Princeton University (PhD) Bhargava cube Bhargava factorial 15 and 290 theorems average rank of elliptic curves

Fellow of the Royal Society (2019)

Padma Bhushan (2015) Fields Medal (2014) Infosys Prize (2012) Fermat Prize (2011) Cole Prize (2008) Clay Research Award (2005) SASTRA Ramanujan Prize (2005) Blumenthal Award (2005) Hasse Prize (2003) Morgan Prize (1996)

Hoopes Prize (1996) Hertz Fellowship (1996)

Institutions **Princeton University** Leiden University University of Hyderabad

Alison Miller

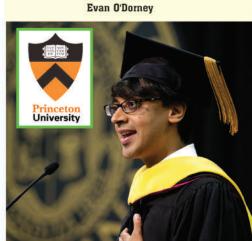
Melanie Wood

Doctoral advisor Doctoral

students

Scientific

Andrew Wiles



Fields Medal Winner Manjul Bhargava says his inspiration has been Ancient **Indian Mathematicians**



Career: Manjul Bhargava embarked on an academic career after earning his doctorate and served as a visiting scholar at award of India, in 2015. the Institute for Advanced Study in 2001-02 and at Harvard University in 2002-03. He found success early on in his career calls himself "an Indian at heart" and has and was appointed as a tenured Full studied Sanskrit from his grandfather Professor in 2003 at Princeton. Aged just 28 at that time, he was the second youngest to be offered tenure. In 2010, he was appointed to the Stieltjes Chair in Leiden University. Bhargava was elected to the United States National Academy of

experts who advise the government on

Nursery to

Class XII

applications, including the parametrization of quartic and quintic orders in number fields. Sciences in 2013. The academy is one of the highest disciplinary academic bodies

Massapequa in 1992 as the class valedic-

torian. He proceeded to obtain his B.A.

from Harvard University in 1996. For his

research as an undergraduate, he was

awarded the 1996 Morgan Prize. He was

awarded a Hertz Fellowship which enabled

him to pursue his doctorate from the Princeton University. He was supervised by

Andrew Wiles and completed his Ph.D. in 2001. In his Ph.D. thesis he generalized

Gauss's classical law for composition of

binary quadratic forms to many other situ-

ations. His results yielded many practical











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