





www.nischalsworld.com

Joy of Knowing

The idea of being a student is exciting to most children. In the beginning years, they speak nineteen to the dozen about what they learn and do at school. However, as years progress, this enthusiasm starts to wane. In higher classes, memorization and test preparation are emphasized upon at the cost of diminished discovery, inquiry and project-based learning. When the school stops engaging a child's imagination, boredom & frustration set in, replacing the joy of studying and thereafter learning stops.

Smart interventions that stimulate curiosity and build an appetite for discovery, can help children bypass the obstacles to learning and tune them to become lifelong learners with the ability to implement & apply their learning to real-world situations.

To inculcate the Joy of Knowing amongst students and stimulating their thought-process we adopt a range of innovative and forward-thinking measures.

Nischal's Smart Learning Solutions Pvt. Ltd.

Nischal's Smart Learning Solutions Pvt. Ltd. (nischals) is an innovation driven, ISO certified, NCERT empanelled, international company. nischals is working for simplifying the education system and making learning fun. It offers a wide range of perfectly blended, innovative, academic product mix that makes teaching & learning, a rewarding experience. Our company was founded on the premise of improving children's ability to grasp, apply and retain concepts in their long-term memory.

We strive to create caring, competent and confident individuals, who ably cope with challenges not only in academics, but also in real life. To prepare students for this rapidly changing world, we equip them with educational products that are smart, safe, engaging, and provide hands-on practical knowledge. This refines their critical thinking skills, fosters creativity, hones systematic reasoning abilities and unlocks their innate potential.

Our products are currently being used by over 200,000 schools ranging from Jammu & Kashmir to the Andaman & Nicobar islands. The products are perfectly suited for CBSE, ICSE, IGCSE, IB and State Board syllabuses.

It is not always what is being taught that holds attention. It is the creation of the right atmosphere in which they can learn that makes the difference. At nischals, we have a vast but creatively designed repertoire of practically all educational items needed by an institution / individual to make learning interesting and engaging for children.

Driven by young Nischal's belief that 'children understand 50% by hearing, 80% by seeing and 100% by doing'; we continue to innovate and create products that train young minds to think independently.

We trust the ancient saying

“I hear I forget, I see I remember,
I do I understand.”

The hands-on experience provided through our international quality, educational manipulatives implements the aforementioned statements.





Leadership

The wholehearted support, blessings and advices of renowned personalities such as Padma Vibhushan Prof. C.R.Rao, Padma Shri Late Maha Mahopadhyaya Prof. Pullela Sri Ramachandrudu, Former Vice - Chancellor Prof.Satyanarayana, Former Vice - Chancellor Prof. Arunachalam, Former Pro-VC Prof. V. Kannan, Former Dean & Chairman, Board of Studies Prof. Purushottam Rao, Former MLC & Renowned Educationist Sri Chukka Ramaiah, Former Head of DEK-NCERT Dr. H.O. Gupta, family and friends led to the establishment of Nischal's dream company 'Nischal's Smart Learning Solutions Pvt. Ltd.'





Nischal Narayanam



Founder & Mentor

True to his name, Nischal is a very soft, calm and composed boy, who began his journey to success at the tender age of 9, with discipline, dedication and determination as his mantras. Regarded as a child prodigy, very early in his career, Nischal set out scaling up to the peaks of education with every passing year. In his journey (though arduous) success soon became synonymous with his name. His achievements, a result of his efforts, are par excellence and enviable.

Nischal Narayanam is the youngest Double Guinness World Record Holder and accredited as one of the Seven Brilliant Brains of the World, by the National Geographic Channel. He is the youngest Chartered Accountant India has ever produced. He is also the youngest to have completed graduation and double post-graduation in his early teens.

He is a learned child prodigy who has accomplished the 'Ganita Astavadhanam' and 'Satavadhanam' (a rare feat in Mathematics with 100 answer seekers) taking an august audience of Governors, Chief Ministers, Swamijis, reputed Mathematicians, Scientists and Professors, by awe. For which he received a thunderous applause and blessings from diverse regions of the Indian sub-continent, including those from the honourable former Presidents of our country.

He is the National Child (Gold Medal) Awardee. It is the Presidential Award for exceptional achievement for children between ages 4 to 15. As a young jury member, Nischal has also been part of the International children's film festival.

Nischal is the World Memory Champion by representing India and being appreciated as the youngest amongst the top 10 memorizers of the world.

He is the recipient of Prestigious Asian Education Leadership Award under the category of 'Young Achiever', held in Dubai.

He has been appreciated on the reputed platform of the 'International Congress of Mathematicians', that hosted several eminent personalities and VVIPs such as the honourable, former President of India, Smt. Pratibha Patil, the honourable, former Chief Minister of Andhra Pradesh, Sri K Rosaiah, Field Medalists, reputed Mathematicians and other dignitaries.

He has authored several useful books on school mathematics and is the designer & developer of the first-of-its-kind portable & micro-scale laboratories for Math, Physics, Chemistry and Biology with an innovative idea of bringing the laboratory into the classroom for hands-on experience and activity based learning.

A recognized prodigy, Nischal wished to share his learning methodology with young students and encourage them to achieve to the hilt of their potential. His desire took the shape of Nischal's Smart Learning Solutions, a company dedicated to developing innovative educational products that make learning enjoyable and retentive over the long-term. Nischal Narayanam, the founder and mentor of the company, is a young entrepreneur who strives to develop and impart knowledge.

Through his philanthropic ideology and putting to good use the royalty amounts being received from the company's sales proceeds, Nischal started a foundation with an aim to promote literacy. Truly giving back to the society, in the best of ways.

Nischal Narayanam possessing the blessings of the divine mother of knowledge, very humbly reiterates and believes that what he scaled thus far is only an anthill and still has miles to go, and mountains to scale and climb. Despite the heaps of achievements and countless memorable moments, he continues his journey with unhindered dedication. With the transcendental and efficacious qualities imbibed in him, the journey to zenith is surely to be in his reach very soon.





Vision


To be the most preferred and trusted global player in taking education to the pinnacle.

Mission

To provide innovative educational concepts and products that help children, young adults and individuals perform to their potential. We are driven by passion to innovate and passion to excel.

Belief

We believe in experimental & experiential learning.



Values

- Innovating
- Engaging
- Responsible
- Safety
- Value for money

Promise

With our brand beacons steering us in the right direction, we make a promise for an interesting way of teaching (to teachers/parents) and a fascinating way of learning (to students).



Portable & Micro-scale Labs

In concurrence with the global trends on revitalizing the education system, our latest Indian syllabus also insists on children grasping the basic concepts from their surroundings. In addition, the present methodology emphasizes on adhering to a practical approach and activity-based learning.

The need-of-the-hour for every child is practical learning which excites and engages. In this age of information overload, it has become a challenge for teachers to imbibe and draw children's interest towards educational concepts, converting their 'Fear of Learning' into the 'Joy of Knowing'. To enliven the learning experience and make it more joyful, nischals insists on linking the children's school experience to the outside world, while discouraging rote learning.

Through our unique, portable, micro-scale and cost-effective labs, classroom teaching and learning practices are being revolutionized. We offer a comprehensive solution to inculcate activity-based learning, in line with the latest curriculum. Our hands-on methodology sharpens mind, increases mental agility and intelligence.

As the pioneers in creating curriculum-based, portable & micro-scale school labs that transform the classroom into a lab, all our labs aim at the maximum possible involvement of a child in the learning process to develop creativity and conceptualization. The faculty is familiarized with the usage of our labs through a well-structured orientation program. This ensures optimum utilization of the lab by the teachers and students.





Math Lab

For Ages 4 and Above

Math is said to be "the mother of all sciences" yet it has always instilled a sense of fear amongst children. Nischal, a math whiz himself, designed India's first ever Math lab that aims to turn math fear into math joy by bringing out the fun aspect in learning. Designed for students from classes 1 to 10, the lab helps students learn even the most complex of Math problems with the aid of a wide choice of objects and interesting concepts linked to everyday life.

Easy to understand, remember and apply, the Math Lab helps students develop speed & accuracy by sharpening the mind and improving mental agility & intelligence. Above all, it makes learning math which is typically an abstract subject, fun and simple.

In many schools, Math despite being the foremost subject in the educational system is not imparted to the students in a practical way using lab equipments. A child is able to glean elementary concepts in an easier way with practical knowledge of Mathematical proofs using lab equipments. To assist this and to put it in practice, Nischal Narayanam created the 'Math Lab'.

Our state-of-the-art math manipulatives provide hands-on experience and reinforce math skills at a conceptual level.

Special features and highlights:

- Perform over 1200 experiments
- Unique, user-friendly, portable, attractively & compactly packed
- Converts math fear to math joy





Science Labs

For Ages 10 and Above

There is no substitute for hands-on experimentation, especially in Science. At nischals, we have designed an array of labs encompassing a multitude of topics in Physics, Biology and Chemistry.

Using nischals Physics, Chemistry and Biology labs teachers can actively engage students during science classes.

Physics Lab

For Ages 10 and Above

Special features and highlights:

- Perform over 450 experiments
- Colorful, user-friendly, attractive & compact
- Improves skills in measuring, recording, organizing, and analyzing data
- Improves active learning and critical thinking



Chemistry Lab

For Ages 10 and Above

Special features and highlights:

- Perform over 470 experiments
- Attractive, easy-to-handle, safe & eco-friendly
- Kindles scientific thinking
- Minimal usage of chemicals





Biology Lab

For Ages 10 and Above

Special features and highlights:

- Perform over 400 experiments
- Attractive, easy-to-handle, safe & eco-friendly
- Increases concentration, visualization, inspiration, memorization, insight & information processing skills
- Incorporates critical thinking, research projects analysis and develops other critical skills

Advantages of our Labs

- nischals Math & Science labs are an outcome of years of research and innovation by Nischal Narayanam, research scholars, subject experts & resource persons
 - Nischal's team formulates portable & micro-scale labs that are not only based on the latest curriculum and cover most of the course syllabus, but also arm students with concepts beyond it through hands-on experiential learning
 - nischals labs follow the revolutionary portable & micro-scale technique
 - The unique, colourful, user-friendly, micro-scale, compact, portable and attractive labs help students link the concepts of the subject to real-life scenarios
 - It not only cuts down the cost of chemicals and apparatuses considerably, but is also child and environment friendly
 - The new methodology prescribes that every chapter should be taught in the lab atmosphere. This is a practical impossibility for most conventional schools. Thus nischals brings the lab to the class!
- The labs help teachers motivate children to experience the versatility of the subject and learn concepts practically
 - They serve to strengthen conceptual understanding and promote the creation of a strong foundation at the school level itself
 - nischals labs serve as portable laboratories while the manuals supplement the text books
 - This material brings a research-based curriculum methodology which provides better results, confident children and an enhanced reputation for schools
 - With this material, students experience, observe and practice concepts of the subjects on their own as the video guides are also available in the labs
 - All experiments listed in the manuals conform to a general format that includes – aim, theory, materials required, procedure, observations, results & discussion, precautions and questions
 - In some sections, the given activities / experiments may seem to be linked with higher class concepts; these are well-intended in order to quench the thirst of children with higher levels of curiosity



- nischals labs encourage the learning of basic experimental skills through the hands-on, minds-on performance of a set of prescribed and suitably designed experiments
- They provide easy availability of all the materials for performing experiments at one place
- The presence of a white board and green board on either sides facilitates ease of explanation in an external environment
- The procedures of activities are simple and can be performed within the allotted time period. Allowing for the syllabus to be completed in much less time and making room for revision
- Suitable for being used both indoors and outdoors
- Do not generally require extra source of energy, such as gas, water or electricity supply for their use. Hence, the labs can be used in smaller towns, rural areas or other places where sophisticated infrastructural facilities are hard to find
- The labs contain tools that are specially designed, innovative, safe, food-graded, strong, and eco-friendly, made of borosilicate (glass apparatus) and premium quality plastic materials

- The new methodology intensifies lateral thinking by means of unconventional, innovative and alternate apparatus
- The techniques prescribed are also designed to reduce hazards and wastage of chemicals, and ensure a pollution-free atmosphere
- The science labs contain safety measures like a first-aid kit, gloves, lab apron and also lab spectacles
- Bearing ease-of-use and security of equipment, the labs have been specially designed in the form of a portable cabinet. They come with brake-enabled wheels, lock & key, and two slots at the back for the white/green board & charts, respectively. The top of the cabinet can also be used as a table
- Our patented labs and copyright content promote / inculcate one of the most innovative teaching methodologies and revolutionize current teaching & learning practices of Math & Science

Step into the world where education, excitement, fun and happiness is guaranteed! We hope nischals labs bring to you in abundance....the Joy of Knowing!

- Nischal Narayanam



Comparative Analysis of Conventional Labs and nischals Labs

S. No.	Factor	Conventional Lab	nischals Lab
1	Space	300 to 500 sft. rooms per lab	9sft. per lab, hence a separate room is not required, labs can be stationed in the staff-room
2	Portability	Not Portable – Students need to be taken to the lab room, needs specific scheduling	Portable - Lab can be taken to the students in the classroom
3	Lab Periods	Once every 7-14 days	Every period can be conducted in a lab atmosphere
4	Teaching / Learning time Lag	Time lag between classroom session and lab session due to lesser number of lab sessions in a week or fortnight	Lab session is held simultaneously along with the classroom session
5	Practical Understanding	Relatively lower practical understanding and subject relativity due to time lag between classroom session and lab session	Better practical understanding and subject relativity due to dynamic and simultaneous class & lab sessions
6	Affordability	High budget	Comparably very low budget and highly affordable
7	Math Lab	Math Lab is not devised and not part of the conventional labs infrastructure	Math Lab is the USP of nischals labs portfolio, advocates learning mathematics with a practical perspective from Class 1 to Class 10
8	Material Consumption	Very high	Very low
9	Material Collation	Very tedious and time consuming due to wide array of materials that needs to be procured from multiple sources	One-stop solution – Single source of procurement
10	Education Standards	Minimal or no improvement in education standards due to time lag and lesser number of lab sessions	Very high possibility of improvement in education standards due to dynamic and simultaneous class & lab sessions. This enables slow learning students to understand the concepts in a better way and improves performance in exams
11	Orientation Session	Not available	Available
12	Video Guides & Lab Manuals	Not available	Available



Business Network

Our widespread network of Dealers, Distributors, and Franchises has allowed us to reach areas across states, successfully reaching and impacting young minds every day, all the way.

Nischal Foundation

At nischals, we believe every individual should have the opportunity to reach his/her full potential. The best way to achieve these goals is to take initiatives that provide ample opportunities for learning and development.

Nischal Foundation was established with this visionary zeal of promoting literacy and helping deserving students to acquire quality, meaningful education. An independent, non-profit, non-governmental organization with its own board, Nischal Foundation is engaged in activities that help improve literacy at the grass-root level to enhance, excel and enable people to improve their lives by means of education.

No great effort is possible without the collaboration of the like-minded. To take our mission of literacy for all forward, we invite partners that are equally earnest about giving back to the society.

nischal
foundation
to promote literacy





Accolades of our efforts

1

I am recommending nischals Math lab to all Indian schools.

'Bharat Ratna' Dr. A.P.J. Abdul Kalam
Former President of India

Nischal's work is a true inspiration for the youngsters of our country.

Padma Vibhushan Prof. C.R. Rao
38 Doctoral Degrees from 19 Countries

3

High-quality, research oriented lab material to be used by all teachers and students.

Dr. N. Upendar Reddy
Advisor, Educational reforms,
Director of School Education, Telangana

Never seen so much TLM (Teaching Learning Material) made by one organization in my entire career. It is a very rare and useful organization for developing labs suitable to our curriculum.

Prof. M.V. Rajyalaxmi
Director, SCERT, Andhra Pradesh

5

Nischal's Geometry is like Poetry.

Prof. P.V. Arunachalam
Former Vice Chancellor

Laudable & Commendable job by Nischal Narayanam.

Prof. V. Kannan
Former Pro Vice Chancellor

6



It is not important that how much knowledge you gained but how much you shared with society and Nischal is the true example.

Chukka Ramaiah
Former MLC & Renowned Educationist

8

Excellent labs and products for today's generation.

Dr. H. O. Gupta
Former Head of DEK-NCERT

Nischals labs are curriculum based, useful for any syllabus and also to handle CCE methodology.

Mr. N.S. Prakash
Teacher, Z.P.H.S.

10

Thanks to the wonderful teaching equipment of nischals, which made my child confident in Math in just a week's time.

Mrs.K.A. Gayathri
Parent, Bengaluru

This is what I was looking for in the past. I could see it now in reality. This lab can save money, time and space.

Mr. Ramanachari
Former HOD Math, Hyderabad Public School

12

Nischal is my role model, I want to become as Nischal.

Ms. Monica
Student, USA




PROCEEDINGS OF THE DISTRICT-EDUCATIONAL OFFICER & EX-OFFICIO PROJECT COORDINATOR ;RMSA, ANANTHAPURA.

Present:- Sri. D.Madhusudhana Rao, M.A., B.Ed.,

Rc.No.1 Spl/RMSA/2014

Date: 23-05-2014

In pursuance of the orders issued in the reference 1st cited, All Head of the Institutions of High Schools in the district are instructed to utilize the funds allotted under RMSA and purchase the, Science and Mathematics kits developed by NCERT and also purchase of Books mentioned in the proceedings i.e., the Books published by National Council of Educational Research and Training and National Trust of India under RMSA School Annual Grants from NCERT empanelled firm, M/s, Nischal's Smart learning solutions, Hyderabad immediately and submit compliance report to this office.


District Educational Officer
Ex Officio Project Coordinator,
RMSA, Ananthapuramu.

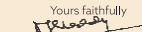
PROCEEDINGS OF DISTRICT EDUCATIONAL OFFICER AND EX-OFFICIO DISTRICT PROJECT CO-ORDINATOR, RMSA, HYDERABAD DISTRICT

Present: Sri. A. Subba Reddy, M.Sc., B.Ed.

Rc.No. Spl/RMSA/2014

Date: 27-05-2014

In pursuance of the orders issued in the reference cited, all Head of institutions of High Schools in the District are instructed to utilize the funds allotted under RMSA and purchase Science and Mathematics kits developed by NCERT and also Nischal's Smart Learning Solutions and purchase of books mentioned in the proceedings i.e. the books published by National Council of Educational Research and training and National Book Trust of India and Nischal's Smart Learning Solutions under RMSA Schools annual grants from NCERT empanelled firm immediately and submit compliance report to this office. Copy to the All the Head Masters of Secondary Schools in the District.

Yours faithfully

District Educational Officer,
Hyderabad District


PROCEEDINGS OF THE DISTRICT EDUCATIONAL OFFICER AND EX-OFFICIO DISTRICT PROJECT CO-ORDINATOR, RMSA, YSR DISTRICT, KADAPA.

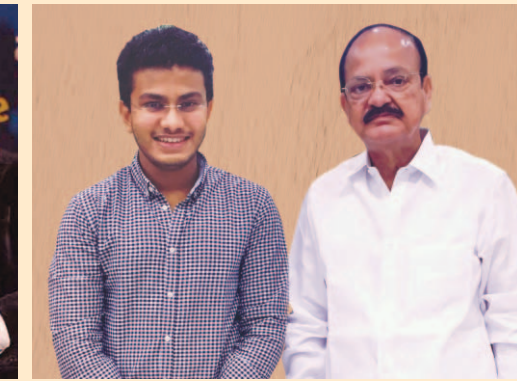
Present: Sri.K.Anjalih, B.A., B.Ed.

Rc.No. SPL/RMSA/ 2014

Date: 25-05-2014

In Pursuance of the orders issued in the references cited, All Head of institutions of High Schools in the District are instructed to utilize the funds allotted under RMSA and purchase Science and Mathematics Kits developed by NCERT and also purchase of books mentioned in the proceedings i.e., the books published by National Council of Educational Research and training and national Trust of India under RMSA Schools annual grants from NCERT empanelled firm, M/s, Nischal's Smart learning solutions, Hyderabad immediately and submit compliance report to this office.

Yours faithfully

DISTRICT EDUCATIONAL OFFICER
YSR DISTRICT



Proceedings of the DEO & Ex-officio Project Co-ordinator, RMSA, Krishna, Machilipatnam.

Present : Sri D. Devananda Reddy, M.Sc, B.Ed.,

Rc.No.46/R6/RMSA/2014

Date: 09-06-2014

In pursuance of the orders issued in the reference 1st cited, All Head of the Institutions of High Schools in the district are instructed to utilize the funds allotted under RMSA and purchase the, Science and Mathematics kits developed by NCERT and also purchase of Books mentioned in the proceedings i.e., the Books published by National Council of Educational Research and Training and National Trust of India under RMSA School Annual Grants from NCERT empanelled firm, M/s, Nischal's Smart learning solutions, Hyderabad immediately and submit compliance report to this office.

Yours faithfully,

DEO & Ex-Officio Project Co-ordinator,
RMSA, Krishna, Machilipatnam.

RECOMMENDATIONS FROM GOVT. OFFICIALS

PROCEEDINGS OF THE DISTRICT EDUCATIONAL OFFICER: NIZAMABAD. Present: Sri S. Srinivasa Chary, M.A., B.Ed.,

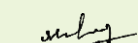
Present:- Sri. D.Madhusudhana Rao, M.A., B.Ed.,

Rc.No.1131/A6/RMSA/2014

Date: 24-09-2014

The Commissioner and Director of School Education, Telangana, Hyderabad vide reference 1st cited, have sanctioned Rs.10,000/- to each Govt. & ZP High School, Residential Schools, KGBVs and Asram Patashalalu for Purchase of Books to the schools for the year 2013 – 2014 under RMSA School Grants.

In view of the above all the Head Masters of Govt. & ZP High School, Principals of Residential Schools, Special Officers of KGBVs and Principals of Asram Patashalalu of this District are hereby informed that, if possible, Purchase the Books published by National Council for Education Research and Training, and National Book trust of India as per the list from the Nischal's Smart learning solutions, Hyderabad from available RMSA School Grants.


District Educational Officer,
Nizamabad



PROCEEDINGS OF THE DISTRICT EDUCATIONAL OFFICER:: NIZAMABAD. Present: Sri S. Srinivasa Chary, M.A., B.Ed.,

Rc.No.1131/A6/RMSA/2014

Date: 10-12-2014

The Commissioner and Director of School Education, Telangana, Hyderabad vide reference 1st cited, have sanctioned Rs.25,000/- to each Govt. & ZP High School, Residential Schools, KGBVs and Asram Patashalalu for Purchase of Science and Maths kits to the schools for the year 2014 – 2015 under RMSA School Grants. In view of the above all the Head Masters of Govt. & ZP High School, Principals of Residential Schools, Special Officers of KGBVs and Principals of Asram Patashalalu of this District are hereby informed that, if possible, Purchase the Science and Maths kits from M/s, Nischal's Smart learning solutions, Hyderabad from RMSA School Grants.


District Educational Officer,
Nizamabad.

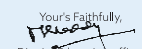
PROCEEDINGS OF DISTRICT EDUCATIONAL OFFICER AND EX - OFFICIO DISTRICT PROJECT CO – ORDINATOR, RMSA, RANGA REDDY DISTRICT

Present: Sri. M.Somi Reddy, M.A,B.Ed.

Rc.No.Spl/RMSA/2014

Date: 07-06-2014

In pursuance of the orders issued in the reference cited, all Head of institutions of High Schools in the District are instructed to utilize the funds allotted under RMSA and purchase Science and Mathematics kits developed by NCERT and also Nischal's Smart Learning Solutions and purchase of books mentioned in the proceedings i.e. the books published by National Council of Educational Research and training and National Book Trust of India and Nischal's Smart Learning Solutions under RMSA Schools annual grants from NCERT empanelled firm immediately and submit compliance report to this office.

Your's Faithfully,

District Educational officer
Ranga Reddy District

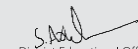
PROCEEDINGS OF THE DISTRICT EDUCATIONAL OFFICER AND EX-OFFICIO DISTRICT PROJECT CO-ORDINATOR, RMSA, SRIRAKULAM

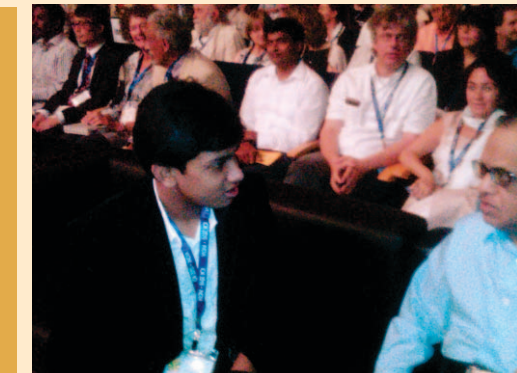
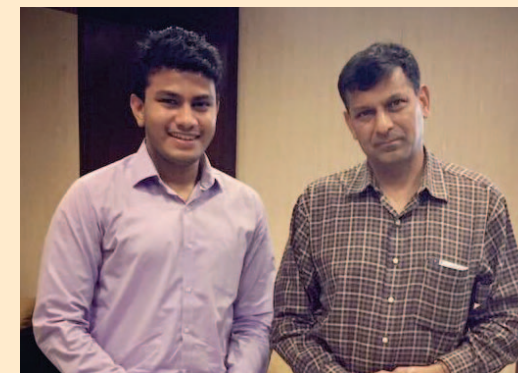
Present: Smt S. Aruna Kumari, M.A., M.A. Edn., M.Phil.,

Rc.No/Sp1-1/RMSA/2014

Date: 03-08-2014

In Pursuance of the orders issued in the reference cited, all the Head of institutions of High Schools in the District are instructed to utilize the funds allotted under RMSA and purchase (as per requirement and need) science and Mathematics kits developed by NCERT and also Nischal's Smart Learning Solutions and purchase of books mentioned in the proceedings i.e the books published by National Council of Educational Research and training and National Book Trust of India and Nischal's Smart Learning Solutions under RMSA Schools annual grants from NCERT empanelled firm immediately and submit compliance report to this office.


District Educational Officer,
Srikakulam.





Launch of nischals portable & micro-scale school labs



Nischal addressing the Delegation of Hon'ble Chief Minister of Jharkhand, Mr. Raghubar Das





Nischal's Smart Learning Solutions Pvt. Ltd.

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