



## sity Level Workshop on **Guidance in Mathematics**

### Organized by

partment of Mathematics, Baba Amravati University, Amravati in Collaboration with

d KD College, Badnera.

ce, J. B. Arts and Birla Commerce

Paphamangaon Rly.

od Arts & Science College, Murtizapur Dist. Akola.

#### 22nd December, 2020

#### **About Workshop**

the birth anniversary of India's famous rinivasa Ramanujan, is celebrated as National . Srinivasa Ramanujan was born in 22 December amil Nadu. At age 12, despite lacking a formal I excelled at trigonometry and developed many self. Srinivasa Ramanujan is a name to reckon n Mathematics. Srinivasa Ramanujan became a tigious Royal Society in 1918. Though he passed , his talent and research left an indelible mark on of Ramanujan at such a young age was the scientific community.

thematical and Analytical temperament, Problem and positive attitude towards learning the ong the students our University has started a ional Mathematics Day from 2012 for the athematical culture in our region. To prepare the petitive examinations such as NET and SET this in organised. The organisation of this workshop activity on National Mathematics Day since last ment of Mathematics Sant Gadge Baba Amravati ati in collaboration with various colleges. During hematics Day celebration we are organising web ence, National workshop as well as Essay Juiz competition for P.G. Mathematics students of of Sant Gadge Baba Amravati University,

#### Registration:

Link: https://forms.gle/TpfED91QoAeGCHBa6 The Workshop will be conducted on Zomm App

#### ORGANIZING COMMITEE

Dr. V. G. Mete, RDIK & KD College Badnera.

Dr. S. N. Bayaskar, Adarsh Mahavidyalaya, Dhaman

Dr. A. S. Nimakar, Dr. R. G. Rathod Arts & Science ( Dr. V. N. Mahalle, RDIK & KD College Badnera.

Dr. A. N. Rangari, Adarsh Mahavidyalaya, Dhamang Mr. A. O. Dhore, Dr. R. G. Rathod Arts & Science Co

#### Workshop Schedul

	Deliberation actionies
Time	Event
11.00 to 12.00 noon	Inauguration of WorkShop
12.00 to 01.00 pm	First Session
01.00 to 02.00 pm	Second Session Break
2.30 to 3.30 pm	Third Session
3.30 to 4.30 pm	Fourth Session
4.30 to 5.30 pm	Valedictory

#### CHIEF PATRON



Dr. M. G. Chandekar Vice-Chancellor **SGBAUAmravati** 



Dr. Rajes Pro-Vice **SGBAU** 

#### **PATRONS**



Dr. S. D. Katore Professor & Head, Department of Mathematics **SGBAUAmravati** 



Dr. Y. B. Gandole Princiapl, Adarsh College Dhamangaon Rly



Dr. R. D. Deshm RDIK College, Badn

#### Speaker / Resource Person



Dr. J. N. Chaudhari Professor & Head, Department of Mathemaries, M. J. Mahavidyalaya, N.M.U., Jalgaon



Dr. U. S. Thool Professor Deptt, of Mathematics



Prof. S. R. Chaud Director, School o **Mathematical Science** Institute of Science, Nagpur K.B.C.N.M.U., Julga

Contact: 9423621627, 9403116400, 895625

You Tube Link

https://youtu.be/EDTmggzVLxE

Zoom Meeting Link

The Department of Mathematics invites you for joining Zoom meeting.

Topic: NET/SET Guidance Workshop

Time: Dec 22, 2020 10:30 AM India

Join Zoom Meeting

https://us02web.zoom.us/j/83273635282?pwd=clJMQUswL296 TDIxS1BFcUIwdEZiQT09

Meeting ID: 832 7363 5282

Passcode: 12345678

## Sant Gadge Baba Amravati University, Amravati



## National Mathematics Day - 2020 Sponsored

# University Level Workshop on NET/SET Guidance in Mathematics

22<sup>nd</sup> December 2020

# Report of Workshop

Organized by

Department of Mathematics & IQAC, Sant Gadge Baba Amravati University, Amravati

In Collaboration with

R.D.I.K. & K.D. College, Badnera; Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon (Rly) and Shri. Dr. R.G. Rathod Arts & Science College, Murtizapur, Dist-Akola.

# \*Report of University Level Workshop on NET / SET Guidance in Mathematics\*

To develop mathematical and analytical temperament, problem solving skills and positive attitude towards learning the mathematics among the students National Mathematics Day was celebrated on 22<sup>nd</sup> December, the birth anniversary of India's famous mathematician Srinivasa Ramanujan. To prepare the students for competitive examination such as NET and SET, university level Workshop on NET/SET Guidance in Mathematics had been organized on the eve of birth anniversary of Srinivasa Ramanujan on 22<sup>nd</sup> December 2020 at Department of Mathematics, Sant Gadge Baba Amravati University, Amravati for the graduate and postgraduate students of department of Mathematics from various affiliated colleges of SGBAU, Amravati.

This workshop was organized by Department of Mathematics and IQAC Sant Gadge Baba Amravati University, Amravati in Collaboration with Department of Mathematics of R.D.I.K. and K.D. College, Badnera, Amravati, Department of Mathematics of Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly. and Department of Mathematics of Dr. R. G. Rathod Arts and Science College, Murtizapur, Dist: Akola. The organization of this workshop has been a regular activity on National Mathematics Day since last 5 years. The workshop was inaugurated by Dr. F. C. Raghuwanshi, Dean Faculty of Science and Technology, Sant Gadge Baba Amravati University, Amravati. Key Note address was given by Dr. G. S. Khadekar, Dean Science and Technology, Rashtrasant Tukdoji Maharaj, Nagpur University, Nagpur. Dr. Sudhir N. Bayaskar, proposed the vote of thanks of inauguration function.

In this workshop there were four sessions. In the first session Dr. J. N.

Choudhari, Professor & Head, Department of Mathematics, M. J. Mahavidyalaya, N. M. U. Jalgaon guided the students and solved various examples which were asked in the previous NET/SET examinations. In the second session Dr. S. R. Choudhari, Director, School of Mathematical Sciences, K. B. C. N. M. U., Jalgaon guided the students on the topic 'basics in algebra'. In the third session Dr. Kunal Ingale, Department of Mathematics, M. J. College, Jalgaon guided the students by giving various examples and tricks. In the fourth session Dr. U. S. Thool, Professor, Department of Mathematics, Institute of Science, Nagpur guided to the students and cleared all the doubts of students.

Lastly Valedictory function was held. Concluding remarks were given by Dr. S. P. Kandalkar, Farmer Professor & Head, Department of Mathematics, Government Vidarbha Institute of Science & Humanities, Amravati and Dr. V. G. Mete, Professor & Head, Department of Mathematics, R.D.I.K. and K.D. College, Badnera. Some students kept their views in the valedictory function.

Dr. V. N. Mahalle, Dr. S. N. Bayaskar, Dr. A. S. Nimkar, Dr. A. N. Rangari, Mr. A. O. Dhore, Ku. Ashwini Vishwakarma worked hard for the success of this quiz competition under the guidance of Dr. S. D. Katore, Professor & Head Department of Mathematics, SGBAU, Amravati, Dr. Y. B. Gandole, Principal, Adarsha Mahavidyalaya, Dhamangaon Rly, Dr. R. D. Deshmukh, Principal, R. D. I. K. and K. D. College, Badnera, Dr. V. G. Mete, Professor & Head Department of Mathematics, R. D. I. K. and K. D. College, Badnera and Dr. A. P. Charjan, Principal, Dr. R. G. Rathod Arts and Science College, Murtizapur. This programme was anchored by Ku. Ashwini Vishwakarma, Adarsha Mahavidyalaya, Dhamangaon Rly.

Date: 24/12/2020 Dr. S. N. Bayaskar

## SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

# ADARSH SCIENCE, J.B. ARTS & BIRLA COMMERCE MAHAVIDYALAYA,

# Dhamangaon (Rly) DEPARTMENT OF MATHEMATICS

#### Notice

# "ONLINE NATIONAL WORKSHOP ON VEDIC MATHEMATICS"

Dear All,

Warm greetings from Department of Mathematics, Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya Dhamangaon Rly. District: Amravati.(M.S.)

We are pleased to invite you for Online National Workshop On Vedic Mathematics organized by Department of Mathematics, Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon Rly Dist: Amravati (M.S.) on 22nd October, 2020 Thursday, at 12:30 pm

Registration is free.

Registration link	
_	https://docs.google.com/forms/d/1CBxoygYd2tqqbXJhEXi6CA 43zwM-N6 Lz5Bxg5Nz4
WhatsApp Group Link	https://chat.whatsapp.com/CXAzDhZDuRJ4fYHpzPADah
Google Meet Link	
	http://meet.google.com/gfh-ewux-ddu
live stream	http://stream.meet.google.com/stream/49c0f6c9-62ca-4c21-996c-8def94795f8a
Join by phone	==== 4c21=350c-8de19479518a
	(US) +1 443-607-2603 PIN: 437 606 811#
Feedback Link with E- Certificate	https://docs.google.com/forms/d/1y0RTnsURVYNiuRIg2tdFoOINNNNwKgyGcmW1SBCEOxU

## SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

# ADARSH SCIENCE, J.B. ARTS & BIRLA COMMERCE MAHAVIDYALAYA,

# Dhamangaon (Rly) DEPARTMENT OF MATHEMATICS

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_	https://docs.google.com/forms/d/1CBxoygYd2tqqbXJhEXi6CA 43zwM-N6 Lz5Bxg5Nz4
WhatsApp Group Link	https://chat.whatsapp.com/CXAzDhZDuRJ4fYHpzPADah
Google Meet Link	
	http://meet.google.com/gfh-ewux-ddu
live stream	http://stream.meet.google.com/stream/49c0f6c9-62ca-4c21-996c-8def94795f8a
Join by phone	==== 4c21=350c-8de19479518a
	(US) +1 443-607-2603 PIN: 437 606 811#
Feedback Link with E- Certificate	https://docs.google.com/forms/d/1y0RTnsURVYNiuRIg2tdFoOINNNNwKgyGcmW1SBCEOxU



Late She Shrinarayanji Agrawal Founder President of Dhamangaon Education Society

### Online National Workshop on **Vedic Mathematics**

Organized by

## DEPARTMENT OF MATHEMATICS

22nd October, 2020



**DHAMANGAON EDUCATION SOCIETY'S** (HINDI LINGUISTIC MINORITY EDUCATIONAL INSTITUTE)

#### Adarsha Science, J. B. Arts and Birla Commerce Mahavidyalaya, Dhamangaon (Rly.), Dist. Amravati



#### About College

The College was established in 1961 under the acgis of Dhamangaan Education Society the oldest institution in vidarbha region catering to the needs of education since 1914. The founder President of this education society was late Shri Shrinarayanji Agrawal, This College is affiliated to Sant Gadge Baba Amravati University, Amravati. Today the College boasts of undergraduate courses and six recognized research centers. The College has the strength of about 3000 students. The Departments of Mathematics was established in 1972 with UG Course and with addition of PG Department from 2016.

#### About Workshop

Vedic Mathematics is a collection of Techniques/sutras to solve mathematical arithmetic in easy and faster way. Using regular mathematical steps, solving problems sometimes become complex and time consuming. But by using Vedic Mathematics, numerical calculations can be done very fast. Vedic Mathematics sutras can help you do calculations 10-15 times faster than our conventional

- \* More than 1700% times faster than normal Math this makes it the world's fastest.
- \* Eradicates fear of Math completely.
- \* Much Improved Academic performance and Instant Results.
- \*Sharpens your mind, increase mental ability and intelligence.
- \*Increases your speed and accuracy. Become a human computer your self.
- \* Improve memory and boosts self confidence.
- \* Develops your left and right sides of your brain hence using intuition and innovation.

#### Registration

Participants should confirm their registration by filling online registration form using following link on or before 22nd October 2020 (No Registration Fee)

#### Registration link

https://docs.google.com/forms/d/1CBxoygYd2tqqbXJhEXi6CA\_43zwM-

WhatsApp Group Link: https://chat.whatsapp.com/CXAzDhZDu

### The workshop will be conducted on Google Meet platform

E-certificate will be issued to all the registered participants who attend the workshop and submit feedback form

#### ORGANIZING COMMITTEE

Dr. Y. B. Gandole Principal

Ku. A. D. Vishwakarma Member

Dr. S. N. Bayaskar **HOD of Mathematics** 

Ku. S. V. Zade Member

Dr. A. N. Rangari Convener

Ku. R. S. Katekar Member

Mr. Mohsin Qureshi Member

Mr. Shoeb Quadeer Memher

#### Workshop Scheduled

12:30 pm to 1:00 pm Inauguration Welcome and Inaugural Speech

च्यामस्कितकोता<u>क</u>

1:00 pm to 2:00 pm

First Plenary Session Ms. Shaifali Joshi Expert in Vedic Mathematics, Nagpur (Resource Person)

一批共享美国家事件出一

2:00 pm to 3:00 pm

Second Plenary Session

Dr. Shiram Chauthaiwale

All India Convener, Vedic Mathematics Shiksha Nyas, New Delhi (Resource Person)

→444年次⊕>>\*H+1+

3:00 pm to 3:15 pm Vote of Thanks

Contact: 9403116400, 9423621627

SANT GADGE BABA AMRAVATI UNIVERSITY, AMRAVATI

# ADARSH SCIENCE, J.B. ARTS & BIRLA COMMERCE MAHAVIDYALAYA, DHAMANGAON (RLY) Department of Mathematics

### Report on National Workshop on Vedic Mathematics

To remove the fear about Mathematics among the students and to perform mathematical calculations very fast by some simple methods, tricks and to boost confidence of students in Mathematics, Mathematics Department of Adarsha College Dhamangaon Rly organized one day virtual National workshop on 'Vedic Mathematics' on 22nd October 2020. Around 603 teacher's, researchers and students participated in the workshop. Introductory Speech of this workshop was given by Dr. Sudhir Bayaskar, H.O.D., Department of Mathematics. The Resource persons for this workshop were Dr. Shriram Chauthaiwale, Convener Vedic Mathematics, Shiksha Nyas New Delhi and Shaifali Joshi, Expert in Vedic Mathematics, Nagpur. Introduction of guest were done by Dr. Ashwina Rangari. During the first session of the workshop, Shaifali Joshi gave practical's about Multiplication, Division and other mathematical operations of very huge numbers very fast. Also she explained many tricks regarding Vedic Mathematics. During the second session of the workshop, Resource Person Dr. Shriram Chauthaiwale gave a talk on the subject 'Quadratic Equations and Indian Contribution'. He also took various practical examples related to Quadratic Equation. He put forward historical evidences of Indian Contribution in Mathematics. In this session, all the doubts of participants were cleared. During Valedictory function, Principal of the college Dr. Y. B. Gandole guided students and encouraged them. This workshop was convened by Dr. A. N. Rangari as the convener and Ashwini Vishwakarma, ShraddhaZade, RasikaKatekar, ShoebAkhtar and MohsinQureshi worked as members.

Dr. S. N. bayaskar, Dr. AnandNaranje, Prof. RupeshDahake, Prof. JitendraBarulkar, Dr. NarendraNagpure, Prof. NitinSinghavi, Dr. PoonamGahukar, Dr. Maya Mawale, Dr. MadhuriKopulwar and Dr. S. O. Qureshi as well as all the teaching and non-teaching staff of the college worked hard for success of this workshop. This programme was anchored by Ashwini Vishwakarma.

## नवराष्ट्र

# आदर्श महाविद्यालयात वैदिक गणित या विषयावर कार्यशाळा

वार्ताहर@धामणगाव रेल्वे

विद्यार्थ्यांच्या मनात गणित या विषयाबद्दल असलेली भीती दूर करण्यासाठी तसेच आजच्या या धकाधकीच्या युगात कमी वेळात जलद गतीने सुलभरीत्या सामान्य पद्धतीने गणितीय उदाहरणे उत्तमरीत्या सोडवून विद्यार्थ्यांचा आत्मविश्वास वाढवून गणित या विषयाची आवड निमाण करण्याच्या उद्देशाने धामणगाव एज्युकेशन संस्थेद्वारे संचालित आदर्श महाविद्यालय येथे गणित विभागाच्या वतीने 'वैदिक गणित' या विषयावर एक दिवसीय आभासी राष्ट्रीय कार्यशाळेचे आयोजन 22 ऑक्टोबर रोजी करण्यात आले होते.

या कार्यशाळेमध्ये 603 शिक्षक, संशोधक व विद्यार्थ्यांनी सहभाग



नोंदिवला. कार्यशाळेचे प्रास्ताविक गणित विभागाचे विभाग प्रमुख डॉ. सुधीर बायस्कर यांनी केले कार्यशाळेला मार्गदर्शक म्हणून डॉ. श्रीराम चौथाईवाले, ऑल इंडिया कनव्हेनर, वैदिक गणित, शिक्षा न्यास न्यू दिल्ली व शेफाली जोशी, नागपूर लाभलेले होते. मार्गदर्शकांचा परिचय अश्विना रंगारी यांनी करून दिला. कार्यशाळेच्या पहिल्या सत्रामध्ये शेफाली जोशी (नागपूर) यांनी गणित विषयातील मोठमोठ्या संख्यांचे गुणाकार, भागाकार अति

जलद गतीने कस करायचे याचे प्रात्यक्षिक दिले व वन्याच ट्रिकसुद्धा सागितल्या. कार्यशाळेच्या दुसऱ्या सत्रात डॉ. श्रीराम चौथाईवाले वर्गसमीकरण आणि भारतीयांचे योगदान या विषयावर सखोल माहिती दिली. त्याचप्रमाणे भारतीयांच्या गणितातील योगदानाविषयी सुद्धा मार्गदर्शन केले. याच सन्नामध्ये विद्यार्थ्यांच्या शंकांचे निरसन करण्यात आले. कार्यशाळेच्या समापन सत्रामध्ये महाविद्यालयाचे प्राचार्य डॉ. वाय.

गांडोळे यांनी बहुमोल मार्गदर्शन करून विद्यार्थ्यांचा वाढविला. उत्साह कार्यशाळेच्या संयोजक म्हणून डॉ. अश्विना रंगारी तसेच सदस्य म्हणून अश्विनी विश्वकर्मा, श्रद्धा झाडे, रसिका काटेकर, शोएब अख्तर व मोहसीन कुरेशी यांनी कार्य केले. कार्यशाळेच्या यशस्वीतेकरिता डॉ. सुधीर वायस्कर, डॉ. आनंद नराजे, प्रा. रूपेश डहाके, प्रा. जितेंद्र बारुळकर, डॉ. नरेंद्र नागपुरे, प्रा. नितीन सिंगवी, डॉ. पूनम गहुकार, डॉ. माया मावळे, डॉ. माधुरी कोपुलवार व डॉ. ओबेद कुरेशी तसेच महाविद्यालयातील इतर सर्व शिक्षक व शिक्षकेतर कर्मचाऱ्यांचे बहुमोल योगदान लाभले. कार्यक्रमाचे सूत्रसंचालन अश्वनी विश्वकर्मा यानी केले.

## आदर्श महाविद्यालयात

# 'वैदीक गणित'विषयावर राष्ट्रीय कार्यशाळा



ता. प्रतिनिधी/५ नोव्हेंबर धामणगाव रेल्वे : विद्यार्थ्यांच्या मनात गणित या विषयाबद्दल असलेली भीती दूर करण्यासाठी तसेच आजच्या या धकाधकीच्या युगात कमी वेळात जलद गतीने सुलभरीत्या सामान्य पद्धतीने गणितीय उदाहरणे उत्तमरीत्या सोडवून विद्यार्थ्यांचा आत्मविश्वास वाढवून गणित या विषयाची आवड निर्माण

करण्याच्या उद्देशाने धामणगाव एज्युकेशन संस्थेद्वारे संचालित आदर्श महाविद्यालयात गणित विभागाच्यावतीने 'वैदिक गणित' या विषयावर एक दिवसीय आभासी राष्ट्रीय कार्यशाळेचे आयोजन नुकतेच करण्यात आले.

कार्यशाळेमध्ये ६०३ शिक्षक, संशोधक व विद्यार्थ्यांनी सहभाग नोंदिवला. कार्यशाळेचे प्रास्ताविक गणित विभाग प्रमुख डॉ.सुधीर बायस्कर यांनी केले. कार्यशाळेला मार्गदर्शक म्हणून डॉ. श्रीराम चौथाईवाले,ऑल इंडिया कनव्हेनर, शेफाली जोशी लाभले होते. मार्गदर्शकांचा परिचय डॉ. अश्विनी रंगारी यांनी करून दिला. कार्यशाळेच्या पहिल्या सत्रामध्ये शेफाली जोशी यांनी गणित विषयातील मोठमोठ्या संख्यांचे गुणाकार, भागाकार अतीजलद

गतीने कसे करायचे याचे प्रात्यक्षिक दिले व बऱ्याच ट्रीक सुद्धा सांगितल्या. कार्यशाळेच्या दुसऱ्या सत्रात डॉ. श्रीराम चौथाईवाले यांनी वर्गसमीकरण आणि भारतीयांचे योगदान या विषयावर सखोल माहिती दिली. कार्यशाळेच्या समापन सत्रामध्ये प्राचार्य डॉ. गांडोळे यानी मार्गदर्शन केले. कार्यशाळेकरिता डॉ. सुधीर वायस्कर, डॉ. आनंद नराजे, प्रा. रूपेश डहाके, प्रा. जितेंद्र बारुळकर, डॉ. नरेंद्र नागपुरे, प्रा. नितीन सिगवी, डॉ. पुनम गहुकार, डॉ. माया मावळे डॉ. माधुरी कोपुलवार व डॉ. ओवेद कुरेशी यांनी प्रयत्न केले. संचालन अश्विनी विश्वकर्मा यांनी केले.



Dhamangaon Education Society's, (Hindi Linguistic Minority Educational Institution)



Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya,

Dhamangaon Rly, Dist : Amravati

## GERTIFICATE OF PARTICIPATION

This is to certify that

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has participated in "ONLINE NATIONAL WORKSHOP ON VEDIC MATHEMATICS" organized by Department of Mathematics, Adarsha Science, J.B. Arts & Birla Commerce Mahavidyalaya, Dhamangaon Rly, on 22 October 2020.

Sayaskar

Dr. A. N. Rangari Convener

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## Workshop on Vedic Mathematics

22 October 2020







