

K D K College of Engineering , Nagpur
Department of Basic Science & Humanities
One Week STTP on Application of Mathematical Sciences
Session: 2020-2021

Notice

Date: 01/07/2020

Department of Mathematics , KDKCE , Nagpur is going to organize an Online One Week Short Term Training Program on **Application of Mathematical Sciences** from 13th to 18th July 2020.

for, Skhishagar
Prof. G. D. Randive

In-charge B.E. First Year

Copy to:

- 1) Principal , KDKCE , Nagpur
- 2) Vice-Principal , KDKCE , Nagpur
- 3) HOD (Civil/Electrical/Mechanical/CSE/IT/ETC/AIDS/First Year)



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K D K College of Engineering, Nagpur
Activity Report (2020-21)
Department of Basic Science & Humanities/Committee/Faculty

IQAC Activity No: _____

Name of the Activity:	One Week STTP on Applications of Mathematical Sciences		
Date	Faculty	College/Department/Committee	Name of Coordinator
13 th to 18 th July 2020	Basic Science & Humanities	Committee Department of Mathematics ,KDKCE	Prof. G. D. Randive, Prof. S. S. Kshirsagar
Time	Venue	Number of Participants	Nature: Outdoor/Indoor
11.30 AM to 4 PM	ZOOM	857	Online
Support/Assistance	ISTE		

Brief Information about the Activity (Criterion No. ___)

Topic/Subtopic of the Activity	Recent Developments in Mathematical Sciences
Objective	To bring Academicians, Researchers & Experts from various fields under one Forum to interact for exchange of knowledge and to know recent developments in Research .
Methodology	Expert Talks, Question Answer Sessions.
Outcomes	Participants were satisfied about the expert lectures also they exchanged ideas of Recent Research with Experts & different applications of Mathematics.

Proofs & Documents attached (tick mark the proof attached)

Notice/Letter/Invitation	List of Participants	Activity Report	Photos	Feedback form/report
Impact analysis	Press News	Certificates	Appreciation Letter	Expenditure note-sheet

IQAC Cell:

Name of Teacher & Signature	Name of Head/Committee In-charge/Coordinator & Sign	Vice Principal signature	IQAC Coordinator Signature
Mrs.S.S.Kshirsagar <i>S.S.Kshirsagar</i>	Mr.G.D.Randive <i>G.D.Randive</i>	Dr.A.M.Badar <i>A.M.Badar</i>	Dr.P.D.Khandait <i>P.D.Khandait</i>



STTPAMS-2020

From 13th - 18th July 2020



One Week Online STTP On "Applications of Mathematical Sciences"

Organize By

Department of Basic Sciences and Humanities

KDK COLLEGE OF ENGINEERING

Great Nag Road, Nandanvan, Nagpur. (Accredited by NBA and NAAC)

In association with

INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE)



Our Patrons



Shri. Rajendra B. Mulak

Ex. Minister GoM,
Hon. Secretary, BCYRC, Nagpur

Shri. Yashraj R. Mulak

Treasurer, BCYRC,
Nagpur



Advisory Committee



Dr. A. M. Badar

Dr. D. P. Singh

Registration link <https://forms.gle/sFCEyGEwgWXEnGrB9>

Convener



Mr. G. D. Randive
Head, Department of Mathematics
KDK College of Engineering, Nagpur



Mrs. S. S. Kshirsagar
Department of Mathematics
KDK College of Engineering, Nagpur

Co-Convener



Dr. (Ms.) K. B. Bajpai
Department of Mathematics
KDK College of Engineering, Nagpur

Faculty Co-ordinators

Mrs. A. L. Tulankar
Head, Department of Chemistry
Dr. (Ms.) A. M. Ramteke
Department of Chemistry
Dr. P. B. Gour
Department of Chemistry
Dr. K. A. Gedekar
Department of Physics

Organizing Committee Members

Dr. (Mrs.) S. P. Wankhede
Head, Department of Physics
Dr. T. R. Shelke
Department of Physics
Dr. (Ms.) D. P. Jasudkar
Department of Chemistry
Mrs. V. V. Bower
Department of Humanities

Institute Level Advisory Committee

Dr. Valsson Varghese
HoD, Civil Engineering
Dr. C. C. Handa
HoD, Mechanical Engineering
Dr. (Ms.) S. S. Anandkar

Dr. (Mrs.) S. P. Khandait
HoD, Information Technology
Dr. A. A. Jaiswal
HoD, Computer Technology
Dr. G. H. ...

Eminent Speakers



Dr. K. C. Deshmukh
Professor,
Department of Mathematics ,
R.T.M. Nagpur University,
Nagpur
Topic : Review of Thermo
Elastic Problems
Mathematical Approach



Dr. K. R. Pardasani
Professor,
Department of Mathematics ,
Bioinformatics &
Computer Applications
,MANIT, Bhopal
Topic : Computational
Models in Neuroscience



Dr. Neeru Adlakha
Professor,
Department of Applied
Mathematics & Humanities
,SVNIT, Surat-395007
Topic: Modelling Thermal
Stresses Due to Malignant
Tumors in Human Skin and
Underlying Tissues



Dr. G. A. Birajdar
Assistant Professor,
Department of Mathematics,
Tata Institute of Social
Sciences ,Tuljapur
Topic : Fractional
Differential Equations and
Applications



Dr. R. P. Pant
Associate Professor,
Department of Mathematics
and Applied Mathematics,
University of Johannesburg ,
Auckland Park , Kingsway ,
Campus , South Africa
Topic : Viscosity Approximation
Methods for Multi-valued Non-
expansive Mappings



Dr. Jitendra Singh
Assistant Professor,
Department of Mathematics ,
Banaras Hindu University ,
Varanasi
Topic : Residual Technique
for Inverse Laplace
Transform and its
Application

About KDKCE:

Karnavir Dadasaheb Kannamwar College of Engineering, situated in the heart of India in Nagpur city, established in 1984 by Backward Class Youth Relief Committee (BCYRC), is one of the leading engineering colleges in Maharashtra State. Government of Maharashtra has conferred 'A' Grade on the basis of excellence & adequate infrastructure as well as academic achievements of students and faculty. It is affiliated to RTM Nagpur University and approved by AICTE New Delhi, DTE, Government of Maharashtra. The college successfully continues to attract attention of scholars from all over the subcontinent. The college runs undergraduate program in six branches of Engineering: postgraduate programs in Mechanical Engineering.



K.D.K. COLLEGE OF ENGINEERING

Great Nag Road, Nandawan, Nagpur (Accredited by NBA and NAAC)

Department of Basic Sciences & Humanities

In Association with

Indian Society for Technical Education, New Delhi (ISTE)

Organizes

One Week Online Short Term Training Program (STTP) on

“Application of Mathematical Sciences”

STTP - Schedule (From 13th to 18th July 2020)



Date	Day	Time	Resource Person	Contents of the Course
13/07/2020	Day-1 (Monday)	Morning 11.00 a.m.	Event- Inauguration	Inauguration: <ul style="list-style-type: none"> > Welcome and brief about STTP by Co-Convenor, Prof. S. S. Kshirsagar > Address by Prof. G. D. Randive Convenor STTP & Head, Dept. of Mathematics > Address by Dr. A. M. Badar Vice-Principal, KDK College of Engineering, Nagpur > Address by Dr. D. P. Singh Principal, KDK College of Engineering, Nagpur > Vote of Thanks by Co-Convenor Dr. K. B. Bajpai Topic of Course: “ Review of Thermo Elastic Problems: Mathematical Approach” Activity: Quiz and Feedback Submission
14/07/2020	Day-2 (Tuesday)	Morning 11.30 a.m.	Dr. K. R. Pardasani Professor, Dept. of Mathematics, RTMNU, Nagpur	Topic of Course: “ Computational Models in Neuroscience” Activity: Quiz and Feedback Submission
15/07/2020	Day-3 (Wednesday)	Morning 11.30 a.m.	Dr. Neeru Adlakha Professor, Dept. of Applied Mathematics, SVNIT, Surat	Topic of Course: “Modelling Thermal Stresses Due to Malignant Tumors in Human Skin and Underlying Tissues” Activity: Quiz and Feedback Form
16/07/2020	Day-4 (Thursday)	Morning 11.30 a.m.	Dr. G. A. Birajdar Assistant Professor, Dept. of Mathematics, Tata Institute of Social Sciences, Tuljapur	Topic of Course: “ Fractional Differential Equations and Applications” Activity: Quiz and Feedback Form
17/07/2020	Day-5 (Friday)	Morning 11.30 a.m.	Dr. Jitendra Singh Assistant Professor, Dept. of Mathematics, Banaras Hindu University, Varanasi	Topic of Course: “Residual Technique for Inverse Laplace Transform and its Application” Activity: Quiz and Feedback Form
18/07/2020	Day-6	Morning	Dr. R. P. Pant	Topic of Course: “Viscosity Approximation
18/07/2020	Day-6 (Saturday)	Morning 11.30 a.m.	Dr. R. P. Pant Associate Professor, Dept. of Mathematics and Applied Mathematics, University of Johannesburg, Auckland Park, Kingway, Campus, South Africa	Topic of Course: “Viscosity Approximation Methods for Multi-valued Non-expansive Mappings” <ul style="list-style-type: none"> > Valedictory > Activity: Quiz on course content, Submission of Feedback > E-Certificate distribution

Instructions for Participants

All participants should follow the following instructions during online sessions:

- 👉 Download ZOOM app for STTP. Join the zoom meeting 10 min. prior to the scheduled time of session*
- 👉 Use of earphones or headphones is mandatory.*
- 👉 After connection, please MUTE your Audio & Video for better voice & video clarity with better understanding.*
- 👉 During session ask your questions/query in Chat box only.*
- 👉 Listen every session seriously. You have to solve Quiz on every session.*
- 👉 Your Attendance will be recorded automatically on Zoom Platform.*

Expecting your cooperation.

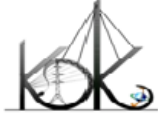
Prof. G. D. Randive
CONVENER STTPAMS-2020
KDKCE, Nagpur

SAMPLE LIST OF Participants (Total Number = 857)

Participation ID	Name of the Participant
STTPAMS001	A Rajkumar
STTPAMS002	Aadil Rashid Sheergojri
STTPAMS003	Aaditi Harshad Gurav
STTPAMS004	Abhishek Guleria
STTPAMS005	Abhishek M. Hatwar
STTPAMS006	Adi Rajkumar
STTPAMS007	Aditi Laxmikant Tulankar
STTPAMS008	Adlin Benisha F B
STTPAMS009	Ahilya Vishnu Narsale
STTPAMS010	Ahmed Abdullah Hamoud
STTPAMS011	Aishwarya K
STTPAMS012	Ajay Kumar
STTPAMS013	Ajay Kurhekar
STTPAMS014	Ajaya Prasad Baitharu
STTPAMS015	AKASH PRAKASH AHIR
STTPAMS016	Alish Viji Varghese
STTPAMS017	ALIYA PARVEEN
STTPAMS018	ALKA
STTPAMS019	Amisha Chaware
STTPAMS020	Amisha Kar
STTPAMS021	Amit Kshirsagar
STTPAMS022	Amit Kumar
STTPAMS023	AMOL AVINASH JOSHI
STTPAMS024	AMOL RAVINDRA DHOLE

STTPAMS024	AMOL RAVINDRA DHOLE
STTPAMS025	Amrita Singh
STTPAMS026	AMUTHA RANI K
STTPAMS027	Anamika Mittal
STTPAMS028	Anamika Shivhare
STTPAMS029	Anil Vinayakrao Patil
STTPAMS030	Anindita Chakraborty
STTPAMS031	Aniruddha Palit
STTPAMS032	Anirudh Rege
STTPAMS033	ANITA TOMAR
STTPAMS034	Anju
STTPAMS035	Ankita Choudhary
STTPAMS036	Ankita Mitra
STTPAMS037	ANKUR ANANGKUMAR MEHTA
STTPAMS038	ANKUSH SHARMA
STTPAMS039	Ankush Sondal
STTPAMS040	ANNIE JASMINE S.E.
STTPAMS041	Anoosha
STTPAMS042	ANSARI ABID GAUSH MOHD
STTPAMS043	ANSARI JAMEEL AHMAD SHAKEEL AHMAD
STTPAMS044	Anshul Rana
STTPAMS045	ANTIMA SINGH
STTPAMS046	Anuradha Anand Jadhav
STTPAMS047	Anushree A. Aserkar
STTPAMS048	Aquib Thaker
STTPAMS049	ARABINDA KAR
STTPAMS050	ARCHANA ANANTRAO CHAUDHARI
STTPAMS051	Archana Deepak Malpathak
STTPAMS052	Archana Deshpande
STTPAMS053	Archana Lakha
STTPAMS054	Arshi
STTPAMS055	ARTI GHOGRE
STTPAMS056	Arun Ramchandra Kamble
STTPAMS057	Asfar H Siddiqui
STTPAMS058	Asha D Jadhav
STTPAMS059	Asha Rajendra Meshram
STTPAMS060	Ashish Panjabrao Nayak
STTPAMS061	Ashok Ramchandra Motipawale
STTPAMS062	Ashwani Jain
STTPAMS063	Ashwini Gabhane
Participation ID	Name of the Participant
STTPAMS064	Ashwini M. Butle
STTPAMS065	Ashwini Manik Alure

STTPAMS066	Asif Bherani
STTPAMS067	Aspiya Mahamad Gadkari
STTPAMS068	ATUL GANGADHAR RAUT
STTPAMS069	Atul Jagannath Bhawsar
STTPAMS070	Atul Kumar
STTPAMS071	Avanti Kshirsagar
STTPAMS072	AVINASH VIJAYRAO CHAVAN
STTPAMS073	Awanti Giradkar
STTPAMS074	B SANTHOSH KUMAR
STTPAMS075	B Subrahmanyam
STTPAMS076	B. Venkanna
STTPAMS077	B.VEERESHAM
STTPAMS078	Babita chaini
STTPAMS079	Badak Jagdish Uddhavrao
STTPAMS080	BALASAHEB DHONDIRAM DAWKAR
STTPAMS081	Banani Mohanty
STTPAMS082	Bapu Ganpati Sarade
STTPAMS083	BAROLE SHIVLING NAGNATHRAO
STTPAMS084	Bhagwat Thakran
STTPAMS085	Bhalchandra H Ganthade
STTPAMS086	BHAMRE SHUBHANGI ASHOK
STTPAMS087	Bharat Sitaram Potdar
STTPAMS088	BHASKAR T
STTPAMS089	BHASKARA RAO BASINA



K. D. K. College of Engineering, Nagpur
Department of Mechanical Engineering



Report of
Title of Program "Advances in Mathematical Sciences"

Title of Workshop/STTP/FDP/Conference :-	Applications of Mathematical Sciences
Duration :-	One Week (Six Days)
Organized By :-	Department of Basic Sciences and Humanities in association with INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE)
Organized on behalf of :-	
Name of Speakers, Designation, Contact Details :-	Dr. K. C. Deshmukh , Professor, Department of Mathematics ,R.T.M. Nagpur University, Nagpur , Dr. K. R. Pardasani , Professor , Department of Mathematics , Bioinformatics & Computer Applications , MANIT, Bhopal , Dr. Neeru Adlakha , Professor, Department of Mathematics & Humanities , SVNIT, Surat , Dr. G. A. Birajdar , Assistant Professor, Department of Social Sciences ,Tuljapur , Dr. R. P. Pant , Associate Professor, Department of Mathematics and Applied Mathematics, University of Johannesburg ,Auckland Park , Kingsway , Campus , South Africa , Dr. Jitendra Singh , Assistant Professor, Department of Mathematics ,Banaras Hindu University ,Varanasi
Participants :-	List is attached herewith.
Guest for Inaugural :-Function	Dr. K. C. Deshmukh , Professor, Dept. of Mathematics, RTMNU , Nagpur
Schedule :-	Copy of Schedule is attached.
Organizing Committee :-	Mr. G. D. Randive , Head, Department of Mathematics KDK College of Engineering, Nagpur , Mrs. S. Department of Mathematics , KDK College of Engineering, Nagpur , Dr. (Ms.) K. B. Bajpai , Department of Mathematics , KDK College of Engineering, Nagpur , Dr. (Mrs.) S. P. Wankhede ,Head, Department of Physics Dr. T. R. Shelke , Department of Physics Dr. (Ms.) D. P. Jasudkar , Department of Chemistry Mrs. V. V. Bower , Department of Humanities
Course Work Provided :-	Online Mode
Registration Kit :-	Online Mode
Food Menu :-	Online Mode
Presentation :-	
Attendance :-	
Visit :-	---
Valedictory Programme :- Date/Time	18/07/2020 at 1.30 PM
Guest for Valedictory Programme :-	Dr. R. P. Pant , Associate Professor, Dept. of Mathematics and Applied Mathematics, University of Johannesburg ,Auckland Park, Kingsway, Campus, South Africa
Data Base :-	
Feed Back of Participants:-	

Organized By
Department of Mathematics,
KDKCE, Nagpur In Association with NUMTA

Encl.:-

1. Notice
2. List of Participant Daily Signed by Participants
3. Photograph (at least 2)



“Service to the Society through Quality Technical Education”
K.D.K. College of Engineering, Nagpur
(Accredited by NBA and NAAC)
Department of Basic Sciences and Humanities



Certificate of Acknowledgement

Dr. A. M. Badar

Vice-Principal

K.D.K. College of Engineering, Nagpur

We are extremely delighted and acknowledge your presence and gracing the function as “*Advisory Committee Member*” of One Week Online Short Term Training Program on “Applications of Mathematical Sciences” in association with ISTE, New Delhi from 13th – 18th July 2020.

Date: 18 / 07 / 2020

Dr. D.P. Singh
Principal, KDKCE

Dr. A.M. Badar
Vice-Principal, KDKCE

Prof. G.D. Randive
Convener, STTP AMS 2020

Mrs. S.S. Kshirsagar
Co-convener STTP AMS 2020

Dr. Ms. K. B. Bajpai
Co-convener, STTP AMS 2020

KDKCE organized online 6 day STTP on “Applications of Mathematical Sciences”

The department of Basic Sciences and Humanities KDKCE, organized a 6 day Online STTP on “Applications of Mathematical Sciences ” in association with ISTE, New Delhi, from 23th to 18th July 2020. The STTP gathered a good response from over 860 participants from **22 states** of India and **5 countries** across the globe, **USA, Yemen, Russia, Philippines and South Africa**. The participants had a stupendous feast of knowledge which made them richer in their awareness and perception of the applications of Mathematics.



Dr. K. C. Deshmukh



Dr. K. R. Pardasani



Dr. N. Adlakha



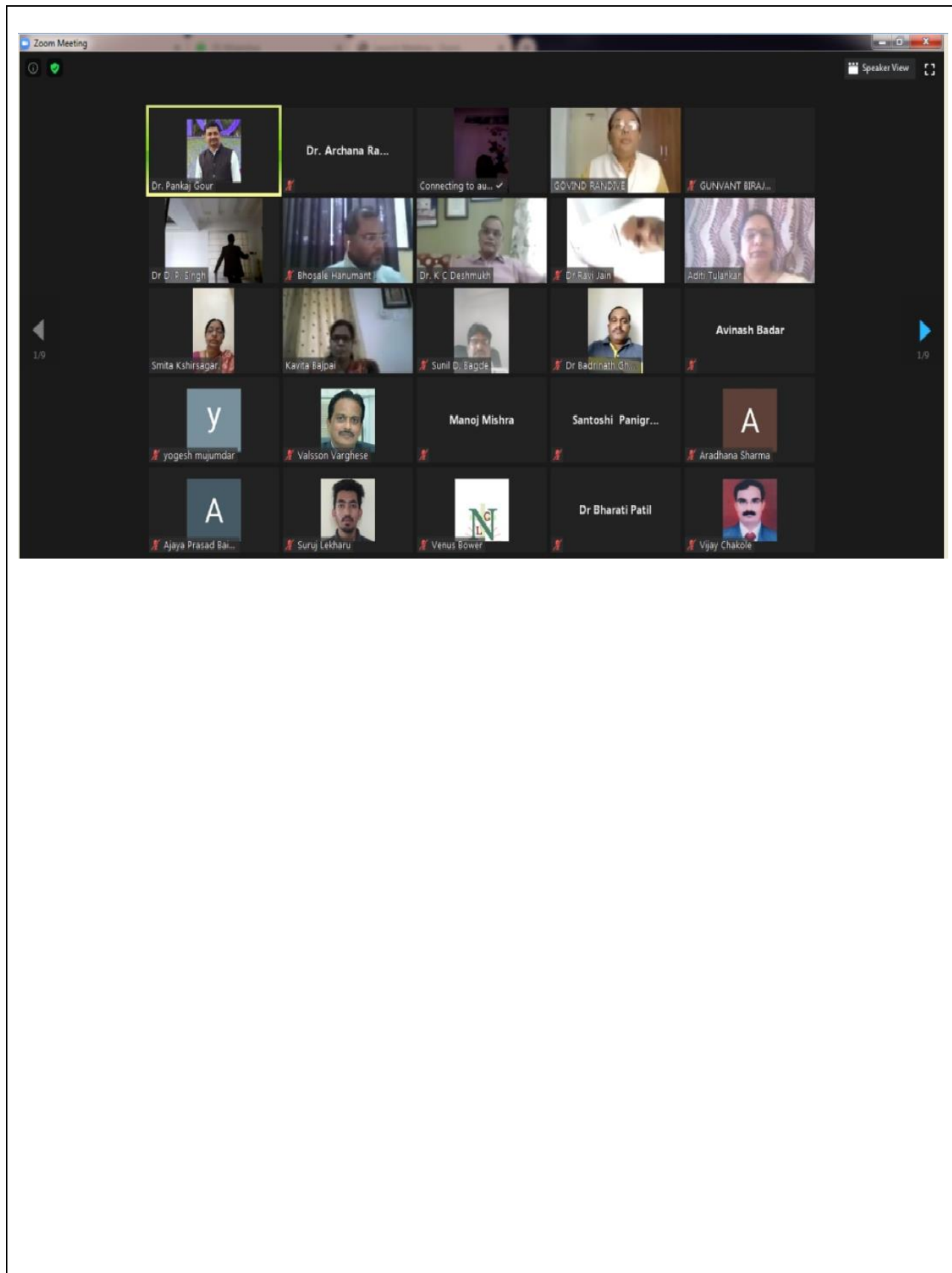
Dr. G. Birajdar

Dr. G. A. Birajdar, TISS, Tuljapur, Dr. Jitendra Singh, BHU, Varanasi & Dr. R. P. Pant, Associate Professor, University of Johannesburg, South Africa.

The feedback given by participants was extremely heartwarming. They appreciated the organization, promptness and punctuality and found the daily quiz very creative and interesting.



applications of Mathematics. Co-Convenor, Prof. Smita Kshirsagar, gave an account of the STTP during the inauguration & Dr. Kavita Bajpai proposed the vote of thanks. Prof. G. D. Randive, Head, Basic Sciences and Humanities & Convenor, presented the report of STTP. Dr. Pankaj Gour & Dr. Tushar Shelke worked hard for the successful conduction of the program on ZOOM & Youtube Live. Dr. Sangeeta Wankhede, Dr. Archana Ramteke, Dr. Kailash Gedekar & Dr. Dipali





K.D.K. COLLEGE OF ENGINEERING, NAGPUR

ACCREDITED BY NBA & NAAC



DEPARTMENT OF BASIC SCIENCES & HUMANITIES

IN ASSOCIATION WITH

INDIAN SOCIETY FOR TECHNICAL EDUCATION, NEW DELHI

Organizes

One Week Online Short Term Training Program

On

“Applications of Mathematical Science”

Dr. Archana Ra...



Aditi Tulankar



Kavita Bajpai

Smita Kshirsagar.