



Bharatiya Vidya Bhavan's
Sardar Patel College of Engineering

(Government Aided Autonomous Institution under University of Mumbai)
Munshi Nagar, Andheri (W), Mumbai 400058



TEQIP-III Sponsored National Level Programme

On

**Reforms in Technical Education:
Perspective of National Education Policy**

4th March 2021 to 6th March 2021

Jointly Organized by

SPCE, Mumbai & REC REWA

In Collaboration with

**Indian Institution of Industrial Engineering
&
SAE India Western Section**

Venue:

Online (Google Meet Platform and YouTube Live Streaming)

Coordinators:

Dr. Santosh B. Rane
Dean Academics, SPCE Mumbai

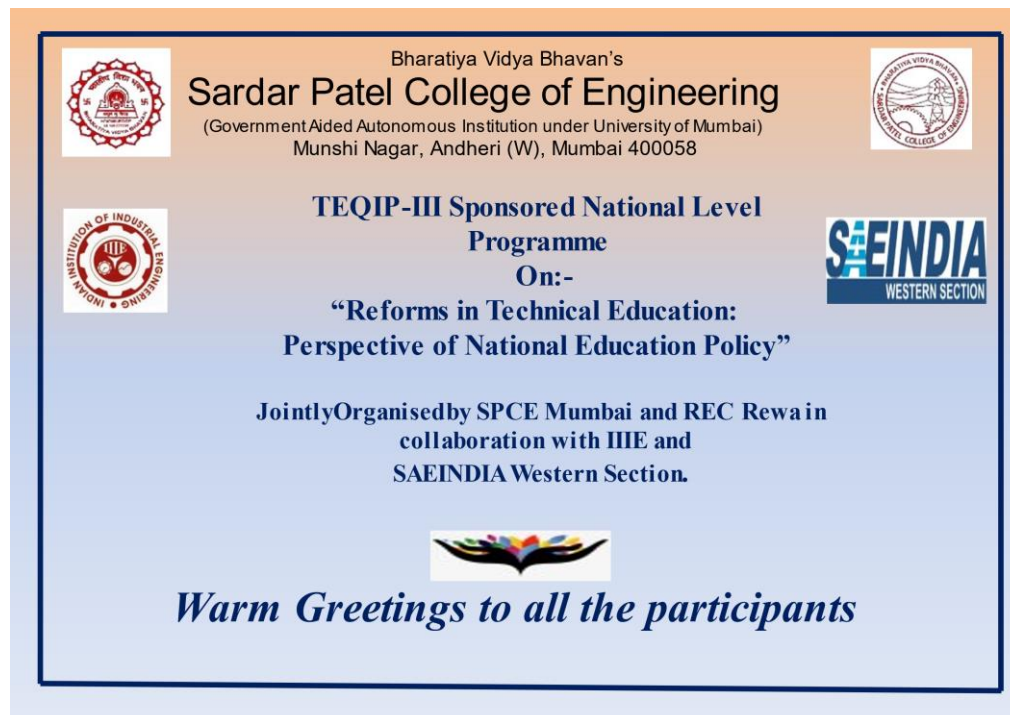
Dr. Kiran S. Bhole
Dean R&D, SPCE Mumbai

Inauguration Session





The commencement of the session took place with a brief inauguration ceremony held by the organisers of the event, where Ms Sadhvi Chaubey welcomed all the participants and all the guests present.

Thereafter the session proceeded with the Saraswati Vandana followed by the lighting lamp activity. This was followed by the wonderful speeches on Dr. Munshi, Founder of Bhartiya Vidya Bhavans and Shri Sardar Vallabh Bhai Patel given by Miss Samiksha Tupe and Miss Sadhvi Chaubey from organising Committee.

Further, Dr. Santosh Rane, Dean Academics SPCE and coordinator of the programme gave a welcome speech and gave the complete overview of the National Level Programme to all the participants, This was followed by speeches of Dr. S. S. Umale-HOD Mechanical Engineering Department, Dr. Bage, HOD First Year, Dr. Bokade- Chairman IIIE Mumbai chapter, Dr. Nibandhe- Chairman SAEINDIA Western Section. Then Dr. M.M. Murudi, Principal, SPCE Mumbai warmly welcomed all the guests and eminent speakers. He offered his best wishes to programme. Further Dr. Kiran Bhole introduced the speaker of the first session and this facilitated the commencement of the session.




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TEQIP-III Sponsored National Level Programme
On:-
**“Reforms in Technical Education:
Perspective of National Education Policy”**

Jointly Organised by SPCE Mumbai and REC Rewa in
collaboration with IIIE and
SAEINDIA Western Section.

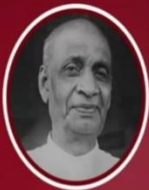


Warm Greetings to all the participants

Piyush Waman is presenting

Harsh Sharma and 45 more

LATEST TV



“The negligence of a few could easily send a ship to the bottom, but if it has the wholehearted co-operation of all on board it can be safely brought to port.”

—Sardar Vallabhbhai Patel—

Piyush Waman is presenting

SPCE Organising T... and 45 more



THE NEERING STAR WERE STILL RECKONS FRIMANITY FOR THE PATHS OF DUTY AND DISCIPLINE.

K. J. SOMAIYA
FOUNDER, SOMAIYA GROUP OF INSTITUTIONS

“Let us make the path of duty and discipline our motto.”
—K. J. Somaiya—

SESSION 1

Speaker : Dr. N. C. Shivprakash

Topic : Roadmap of Technical Education

Date : 4th March, 2021

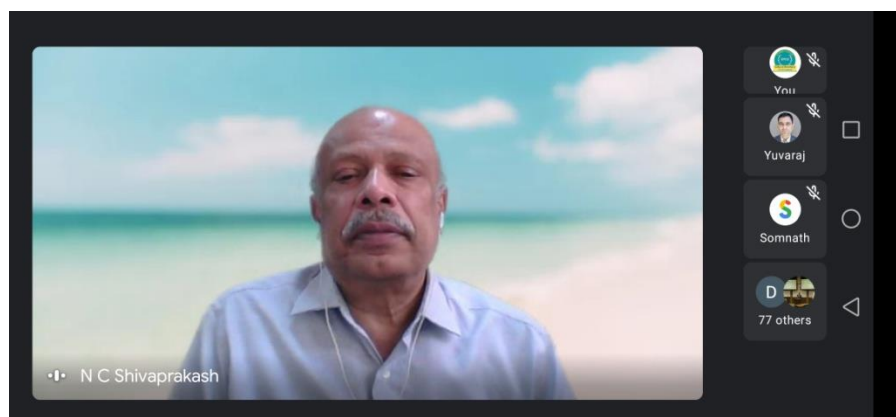
Time : 10:30 am- 12:00 pm

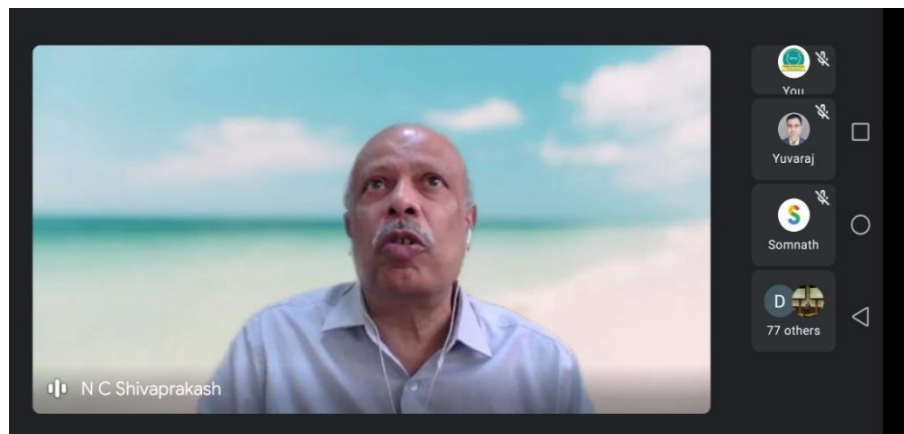


Miss. Sadhvi Chaubey of Second Year B.Tech Mechanical welcomed all and introduced the speaker for the first session, Dr. N C Shivprakash. Sir started the session with the introduction of education since time immemorial and till now when the internet came. He mentioned 4 important parts of education- knowledge,wisdom,character. Then how the digital forum came and was made available to everyone. Industry and institution interaction has become important along with the experiential learning in the foundation stage. He talked about government initiated schemes like atmanirbhar bharat, make in India. International education must be stressed upon by healthy competition, bringing people close across border. He even talked about digitized classrooms, libraries, credit transfer system, research, innovation, start up and to collaborate and share information. He enlighten the audience with roadmap of NEP implementation.

The session was further enlightened by the interesting doubts and queries of the participants. The session was summarized by Dr. Prathamesh Potdar.

The event was carried out on Google meet and was also streamed live on YouTube for every other participant. Professionals from various states and industries participated in the session. Participants indeed acknowledged the speaker and really enjoyed the session and found it informative.





SESSION 2

Speaker : Dr. R. Natrajan

Topic : NEP Highlights and Implementation Strategy in Technical Education

Date : 4th March, 2021

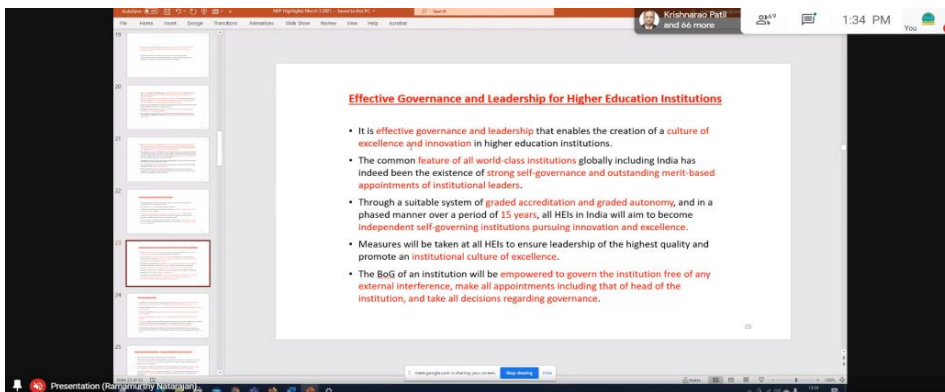
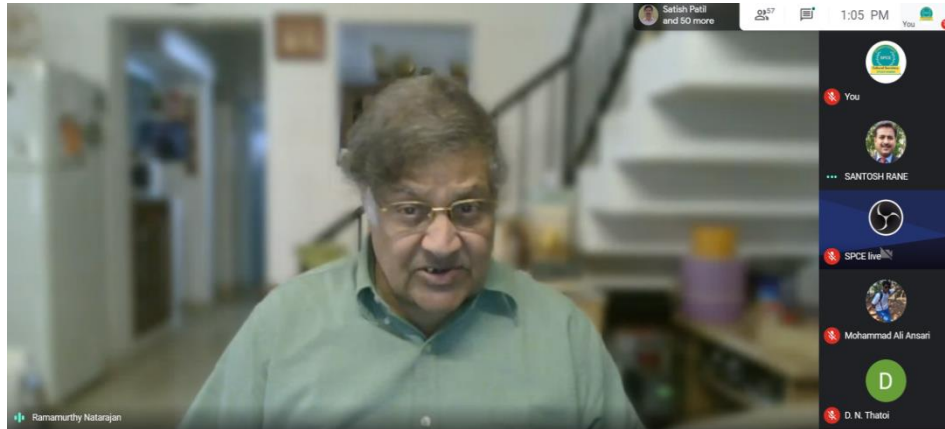
Time : 01:00 pm- 02:30 pm

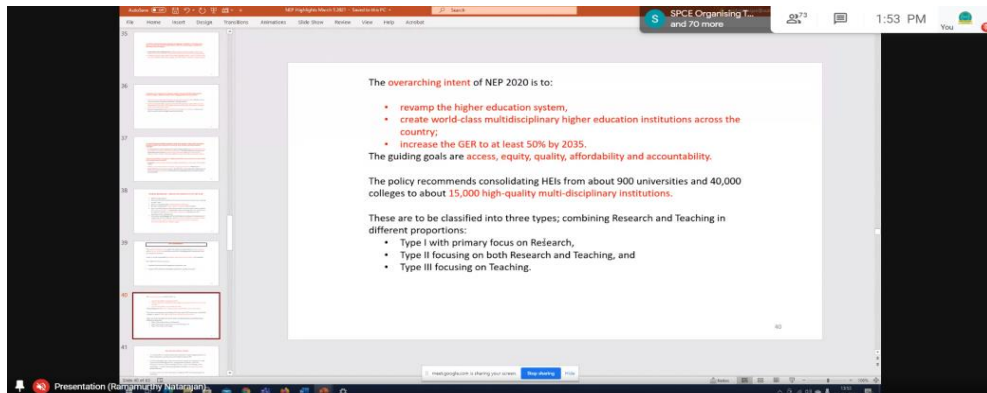
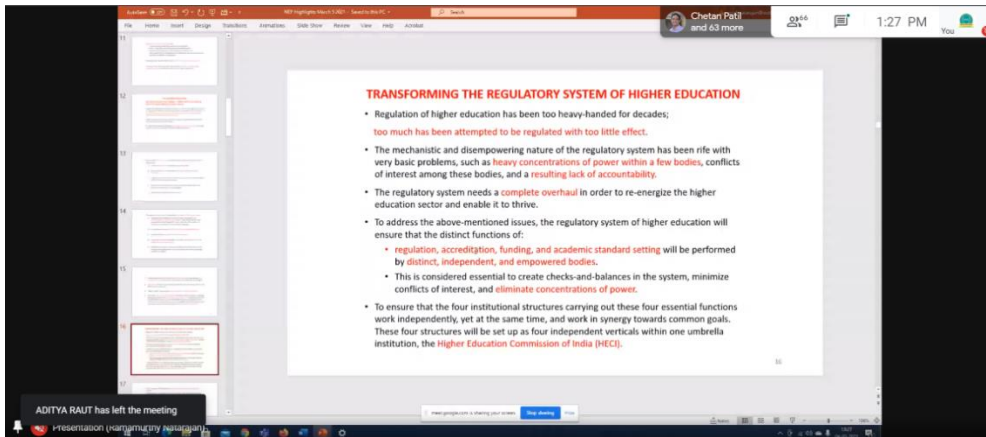
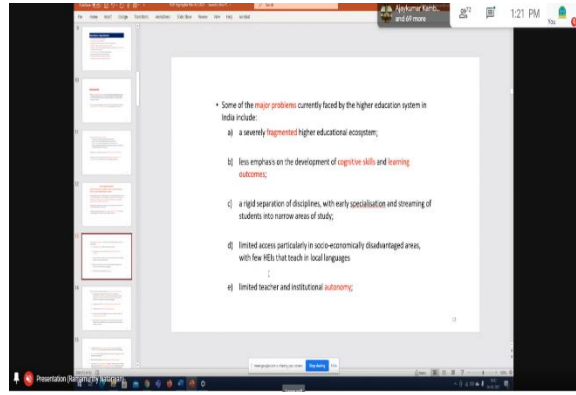
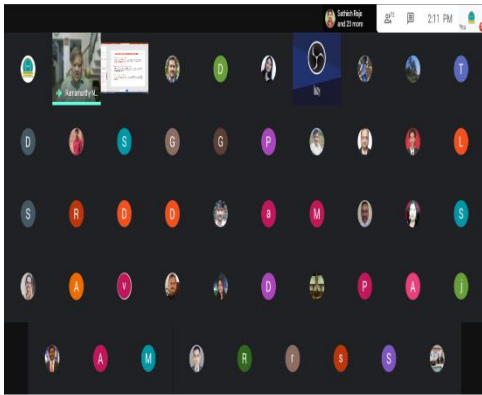


The opening speech and introduction of the eminent speaker of the session was given by Dr. Prathamesh Potdar, which led to the commencement of the enlightening session. Sir started the session by talking about major reforms in higher education, NRF, multidisciplinary institutions, good education plan and the major problems faced by them. Then he suggested some changes to the current system, that is to transform the regulatory system of higher education. He then said to curb the commercialization of education, bring effective governance and leadership for higher education. He then concluded by talking about professional education on online and digital world, making it happen, most frequently asked questions to him and his personal views on implementation.

The session was further enlightened by the interesting doubts and queries of the participants. The session was summarized by Mr. Piyush Waman from T.Y.Mechanical, SPCE.

The event was carried out on Google meet and was also streamed live on YouTube for every other participant. Professionals from various states and industries participated in the session. Participants indeed acknowledged the speaker and really enjoyed the session and found it informative. The session ended with a vote of thanks given by Dr. Prathamesh Potdar.





SESSION 3

Speaker : Dr. Parvinder Singh

Topic : Future Ready Innovation and Global Digital Communication

Date : 4th March, 2021

Time : 03:00 pm- 04:30 pm

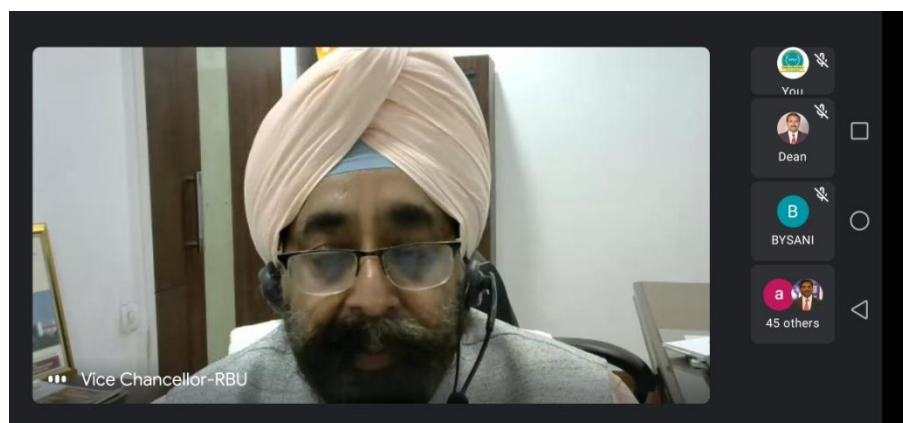


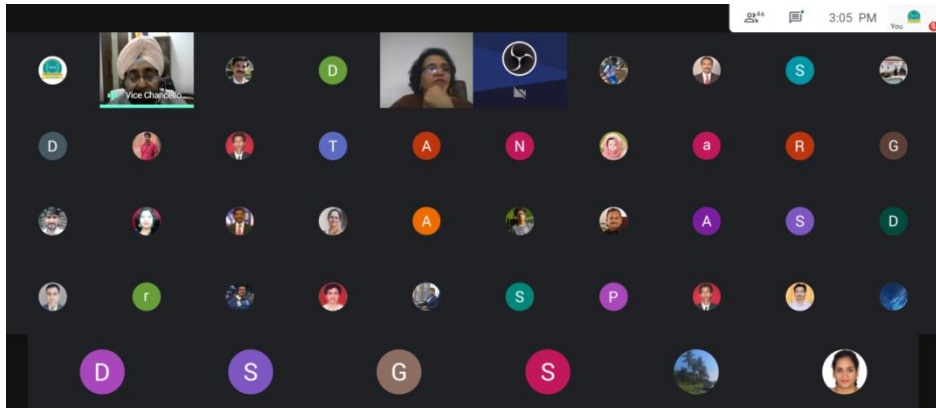
The opening speech was given by Dr. Kiran Bhole, which led to the commencement of the enlightening session. The speaker started his session by acknowledging that the world class universities were started in India since the historic times like Takshsheela and Nalanda, which invited students from China, Japan, Korea and many other countries. He talked about how technology and education go hand in hand. He also highlighted the importance of global communications and said how access to media, print media, TV, newspaper played a vital role in bridging the gap between countries and time.

The session was further enlightened by the interesting doubts and queries of the participants. The session was summarized by Mr. Piyush Waman from T.Y.Mechanical, SPCE.

The event was carried out on Google meet and was also streamed live on YouTube for every other participant. Professionals from various states and industries participated in the session. Participants indeed acknowledged the speaker and really enjoyed the session and found it informative.

The session ended with a vote of thanks given by Dr. Kiran Bhole.





Session 4

Speaker : Prof. Dr. R. Natrajan , Former Chairman AICTE, Former Director IIT Madras

Topic : Quality And Excellence Issues in NEP implementation

Date : 5th March , 2021

Time : 10:30 am to 12:00 pm



The eminent speaker for the session was Prof. Dr. R Natrajan, Former Chairman AICTE, Former Director, IIT Madras.

The opening speech was given by Dr. Prathamesh Potdar, from SPCE which led to the commencement of the enlightening session. Prof. Dr. R Natrajan started the session by introducing Quality and Excellence issues in Higher and Technical Education. He also discussed about National Assessment and Accreditation Council and the Essence of ISO. He then spoke about International Engineering Alliance and brief background on Washington Accord and also acknowledged the participants with the quality criteria for NBA Accreditation. Thereafter he gave a brief about some positive consequences of Accreditation in India and essence of Benchmarking. He also determined some inherent difficulties in determining Academic quality and tried to suggest some solutions to it.

The session was further enlightened by the interesting doubts and queries of the participants. The event was carried out on Google meet and was also streamed live on YouTube for every other participant. Professionals from various states and industries participated in the session. Participants indeed acknowledged the speaker and really enjoyed the session and found it very informative and interesting.

The session ended with a vote of thanks given by Dr. Santosh Rane.

Following are some photos of the amazing session held.



Ramamurthy Natarajan is presenting

Kanchan Mankar and 50 more

03:53

You

SOME POSITIVE CONSEQUENCES OF ACCREDITATION IN INDIA.

- Every technical and higher educational institution has begun to appreciate the need to incorporate Quality in its academic activities.
- The accreditation criteria provide guidelines to the institutions for achieving Quality and Excellence, and, in fact, define the profile of an Institution of Excellence.
- For example, since the criteria demand that every institution should have Vision, Mission and Goals; industry-institute interaction; R&D..., every institution strives to incorporate these into its portfolio of policies, plans and activities.

12

Ramamurthy Natarajan is presenting

Ajay Mahawad... and 51 more

03:54

You

- **Lord Kelvin:** 'When you can measure what you are speaking about, and express it in numbers, you know something about it; and when you cannot measure it in numbers, your knowledge is of a meager and unsatisfactory kind.'
- **G. N. Lewis:** 'I have no patience with attempts to identify Science with measurements, which is but one of its tools, or with any definition which would exclude a Darwin, a Pasteur or a Kekule.'
- **Einstein:** "Not everything that can be counted counts, and not everything that counts can be counted".

13

CRITERION 3. STUDENT OUTCOMES

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, a...

THE ROAD AHEAD

- **The Destination** is clear – globally competitive and academically reputed systems and processes.
- **Roadmap** – Several National Policies and Benchmarking with WCUs
- **But the Road** is strewn with many Impediments and Obstacles –
Lack of Commitment, Delays, Policy Paralysis, Complacency, and many other usual suspects.
- **In this Age of rapid Change**, **Speed** is of essence; we must start **action Now!**

THE ESSENCE OF ISO -- 9000

Say What You Do
Do What You say
Prove it
Improve it

➤ Another well-known educational principle is that *assessment drives the learning.* – NASSCOM Initiative

➤ If students know they are going to be held individually accountable for course material, most will make a serious attempt to learn it; without the **individual accountability**, many overburdened engineering students will choose to spend their time in more productive ways.

SOME POINTS

➤ Washington accord is only for 4-year undergraduate programs

➤ ABET accreditation is mainly for UG programs in the US; now extended to PG programs and for programs in other countries.

Over **60 countries** have introduced **national rankings**, and there are numerous regional, specialist and professional rankings.

1. Academic Ranking of World Universities (ARWU) (Shanghai Jiao Tong University), 2003
2. Webometrics (Spanish National Research Council), 2003
3. World University Ranking (Times Higher Education/Quacquarelli Symonds), 2004–09
4. Performance Ranking of Scientific Papers for Research Universities (HEEACT), 2007
5. Leiden Ranking (Centre for Science & Technology Studies, University of Leiden), 2008
6. World's Best Colleges and Universities (US News and World Report), 2008
7. SCImago Institutional Rankings, 2009
8. Global University Rankings (RatER) (Rating of Educational Resources, Russia), 2009
9. Top University Rankings (Quacquarelli Symonds), 2010
10. World University Ranking (Times Higher Education/Thomson Reuters—THE-TR), 2010
11. U-Multirank (European Commission), 2011

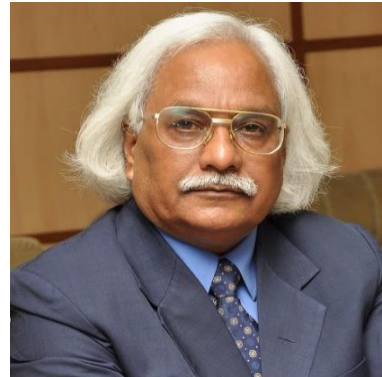
Session 5

Speaker : Prof P. B. Sharma, Vice Chancellor at Amity University
Founder VC DTU, RGTU, Former Prof at IITD

Topic : Integrative science and Inter-disciplinary Engineering
Education and Research for New Age

Date : 5th March , 2021

Time : 01:00 pm to 02:30 pm



The eminent speaker for the session was Prof. P. B. Sharma, Vice Chancellor at Amity University Founder VC DTU, RGTU, Former Prof at IITD.

The opening speech was given by Dr. Kiran Bhole, Dean R&D, SPCE which led to the commencement of the enlightening session. Prof P B Sharma started the session by introducing some notable keynotes given by some eminent personalities. He gave a detailed information about the National Education Policy. He also spoke about the Amity Success and highlights of AUH filed 166 patents and its funded projects. Thereafter he gave a brief about CIRF (Central Instrumental Research Facility) and Center of Drug and Herbal Drug Development at Amity Institute of Pharmacy. He determined the emerging signs of change and introduced the Integrative Science and Interdisciplinary Engineering and objectives of education. He presented a extremely enlightening case study of Amity University.

The session was further enlightened by the interesting doubts and queries of the participants. The event was carried out on Google meet and was also streamed live on YouTube for every other participant. Professionals from various states and industries participated in the session. Participants indeed acknowledged the speaker and really enjoyed the session and found it informative.

The session ended with a vote of thanks given by Dr. Pankaj Pukar Sir.

Following are some photos of the amazing session held.

Pritam Sharma is presenting

sagar sapkal and 55 more

Integrative Science And Interdisciplinary Engineering

- Engineering is predominantly Interdisciplinary is rather well understood but engineering education still deals it in compartmentalized departments.
- Likewise, Science is also interdisciplinary. The Chemistry of Physics, Physics of Chemistry, Biology of Chemistry, Physics of Biology and Mathematics for all is now the new normal for new science education.
- What more Science and Technology Education and Research is to be carried out in a seamless environment of integrative science and multidisciplinary engineering.

Invited Talk at SVPU Mumbai FDP- 5th March 2021

Pritam Sharma is presenting

hetul technical resou... and 48 more

Objectives of Education

- Till last century, the Education in India was considered as a means of enlightenment "**Tamsoma Jyotirgamaya**", that is Education takes us away from the darkness of ignorance to the bliss of light of knowledge.
- This led to great emphasis on learning and cultivation of Knowledge, **Jnana** as the main objective of Education.
- But our ancestors were quite clear that Education can not remain confined to mere cultivation of Knowledge. It must also inculcate the dimension of a righteous way of life and develop a Man into a Human.

Invited Talk at SVPU Mumbai FDP- 5th March 2021




Pritam Sharma is presenting

Shital Patel and 55 more

AUH filed 166 patents- Highlights

Invention : Fabric with Self Cleaning Property
Patent Application No. 201911014025 filed in India on 19/03/2019



INVENTORS

Monika Yats, Department of Chemistry, ASAS, Arvind Chhabra, Director, Stem Cell Institute, Jyotsna Sharma, Department of Physics, ASAS, C.M. Srivastava, ASAS, Shatendra Kumar Sharma, USIC, JNU

ABSTRACT OF INVENTION

The present invention relates to the synthesis of Fe₃O₄ and TiO₂ based hybrid nanoparticles coated fabric for anti-microbial, anti-mycotic, self-cleaning properties. Most particularly, it is concerned with anti-microbial, anti-mycotic and self-cleaning nanoparticle coated cloths that can be used to develop water proof & thermally insulated items such as without laminated tents, bags, and other clothing materials for defense and travel needs, as well as for other commercial applications. **The present invention is also an attempt to decode the ancient science and textile technology of the Ramayana Times, wherein Godees Sitaji was presented an Anti-microbial, Anti-fungal, Anti-dust dress having self cleaning properties by Sage Ansuyya at Chitrakoot.**

Invited Talk at SVPU

Pritam Sharma is presenting

Vijay Chaudhari and 53 more

The Amity Success

- Amity emerged as India's Top ranked Private University.
- 1300+ Patents and 750 R&D Projects
- A Brand globally recognised for Quality Education and Research.
- Inspiring the young innovative minds to engage in cutting edge research, innovations and new product development.
- Leadership for Academic and R&D Excellence made a big difference.
- Global Campus connect of Amity has made a profound impact in skilling the graduates to join the global workforce with competence, calibre and values.

Invited Talk at SVPU Mumbai FDP- 5th March 2021

Activate Windows
Go to Settings to activate Windows.

Pritam Sharma is presenting

GAUTAM NARW... and 54 more

The Emerging Signs of Change

- Students are Tech-savvy, often more than that the teachers !
- Research and Innovation Culture has begun to percolate right down to UG levels.
- Culture of Start ups is making its headway.
- Enterprising minds of students and faculty are shaping the landscape of engineering Education.

Invited Talk at SVPU Mumbai FDP- 5th March 2021

Activate Windows
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Pritam Sharma is presenting

Deepakraj Dubey and 44 more

“ Modern Education is highly developed, but it is not sufficient by itself to reduce violence and bring about peace. What I believe can help is if we incorporate into modern education the ancient Indian understanding of the workings of mind and emotions. We also need to adopt a sense of Emotional Hygiene”

His Holiness Dalai Lama
Nobel Peace Laureate

Invited Talk at SVPU Mumbai FDP- 5th March 2021

Activate Windows
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P Pritam Sharma is presenting

Vetrivel K.P. and 43 more

03:45

You

“My message, especially to young people is to have courage to think differently, courage to invent, to travel the unexpected path, courage to discover the impossible and to conquer the problems and succeed. These are great qualities that you must work towards.”

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

Invited Talk at SVPU Mumbai
 FDP- 5th March 2021

P Pritam Sharma is presenting

Rajesh Behra and 56 more

03:57

You

Center of Drug Discovery and Herbal Drug Development
 @ Amity Institute of Pharmacy, AUH

AMITY UNIVERSITY
 INDIA

Highlights

22 Publications 23 Patents 01 Projects 02 Books 03 Book chapters

✓ **Prof. P. B. Sharma:** Ayurveda and Natural products
 ✓ **Prof. Satish Sardana:** Drug discovery in natural products
 ✓ **Dr. Viveek Ballyan:** Horticulture research
 ✓ **Dr. Arun Kumar:** Diabetes and vascular complications
 ✓ **Dr. Saurabh Bhatia:** Marine natural products

Objectives

- ✓ To conduct research in order to prove the effectiveness and safety of herbal products
- ✓ To coordinate the research activities related to herbal medicine
- ✓ To contribute to the discovery and authenticity of herbal medicine

Latest research
 Multidrug and Quin
 Antibio
 Microencapsulated
 In vivo Oral Laxat

Latest research
 To improve shelf life of
 freeze dried adult
 treated latex

Essential oil research
 A nasal stick for lung
 detoxification against
 air pollutants

Cardiovascular and diabetes research

Publications
 Aarti Singh, Arun Kumar Sharma, Himudli B. Bohidar, Sourabh Ghosh, Sandip Kakrabari, Monalisa Mukherjee. Hydrogel nanospheres with ice helices as exotic nanostructures for diabetic wound healing. *Material horizons*. **Impact factor: 12.5**

Books
 Sharma AK, Thanikachalam PC, Bhatia S. The signaling interplay of GSK-3β in insulin抵抗 disorders. *Drug Discov Today*. 2020 Apr;25(4):533-541. **Impact factor: 6.5**

Algal research

Bhatia S. Development of broad spectrum phytoplankton based sunscreen formulation from *Ulva lactuca*. *DisMedicine*. 2020;1(1):1-10

Bhatia S. In vitro antioxidant and anticonvulsive properties of *P. vietnamensis*. *Biomedicine (Taipei)*. 2020 Mar;10(3):3.

Session 6

Speaker : Dr. Sandeep Inamdar , Managing Trustee at Vishwaniketan,
Former Director STE Society

Topic : International Collaboration in Academics and Research

Date : 5th March, 2021

Time : 03:00 pm to 04:30 pm



The eminent speaker for the session was Dr Sandeep Inamdar , Managing Trustee at Vishwaniketan, Former Director STE Society.

The opening speech was given by Miss Sadhvi Chaubey, student from SPCE which led to the commencement of the enlightening session. Dr Sandeep Inamdar started the session by introducing International Collaboration in Academics and Research briefly. He shared his academic journey with the participants. He then introduced the formation and the vision of VIIP (“Vishwa”- International Internship Programme) and also shared an explanatory video regarding the same.

The session was further enlightened by the interesting doubts and queries of the participants. There was a separate question and answer session in the last which gave true colors to the session and gave chance to bright faculty members to speak about their doubts.

The event was carried out on Google meet and was also streamed live on YouTube for every other participant. Professionals from various states and industries participated in the session. Participants indeed acknowledged the speaker and really enjoyed the session and found it informative.

The session ended with a vote of thanks given by Dr. Santosh Rane.

Following are some photos of the amazing session held.

Piyush Waman is presenting

Rita Sharma and 40 more

43

3:01 PM

You

Sandip Inamdar

More options

Meeting details ^



Activate Windows
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Turn on captions

Piyush Wahani is presenting

Yuvaraj Bhirud and 27 more

44

3:02 PM

You

Sandip Inamdar

Organiser

Activate Windows
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Meeting details ^



Turn on captions

Present now

S Sandip Inamdar is presenting

Dr. Sasmeeta Trip... and 43 more

57 4:01 PM You

Meeting details ^

Meeting controls: Mute, Video Off, Screen Share

Activate Windows
Go to Settings to activate Windows.
Turn on captions Sandip Inamdar is presenting

S Sandip Inamdar is presenting

Swati Donde and 42 more

56 4:03 PM You

Suresh M has left the meeting

Meeting details ^


Meeting controls: Mute, Video Off, Screen Share

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Turn on captions Sandip Inamdar is presenting

S Sandip Inamdar is presenting

sagar sapkal and 45 more

57 4:04 PM You



Meeting details ^

Turn on captions


Sandip Inamdar is presenting

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S Sandip Inamdar is presenting

Dr. Sikata Samant... and 43 more

57 4:05 PM You



Meeting details ^

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Sandip Inamdar is presenting

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Session 7

Speaker: Dr. S.Y.Mhaiskar, Pro Vice Chancellor, NMIMS University

Topic: Technology Infusion and Penetration in Higher Education Institutes and Its Impact on Changing Role of Academic Leaders.

Date: 6th March, 2021

Time: 10:30 am to 12:00 pm



The speaker for the session was Dr. S.Y.Mhaiskar, Pro Vice Chancellor, NMIMS University, Mumbai.

The opening speech was given by Dr. Kiran Bhole, Dean R&D, SPCE which led to the commencement of the enlightening session. Dr. S.Y.Mhaiskar started with talk about the journey of NMIMS and its achievements. Further talking about Technology Infusion, Oracle HCM and challenges in assessment, he discussed about some analytics related to these and how things work at NMIMS. He explained how Entrance Examinations should be conducted. Covering the roles and responsibilities of an academic leader, Dr. Mhaiskar talked about the future challenges that will be faced by institutes, individuals and academic leaders.

The session was further enlightened by the interesting doubts and queries of the participants. There was a separate question and answer session in the last which gave true colors to the session and gave chance to faculty members to speak about their doubts.

The event was carried out on Google meet and was also streamed live on YouTube for every other participant. Professionals from various states and industries participated in the session. Participants indeed acknowledged the speaker and really enjoyed the session and found it informative.


The session ended with a vote of thanks given by Dr. Santosh Rane.

Piyush Waman is presenting

Shilpa Joshi and 14 more

12:54 PM


You



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Sardar Patel College of Engineering
 (Government Aided Autonomous Institution under University of Mumbai)
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"Reforms in Technical Education: Perspective of National Education Policy"

Jointly Organised by SPCE Mumbai and REC Rewa in collaboration with IIE and SAEINDIA Western Section.



Warm Greetings to all the participants

Meeting participants:

- You
- Er. Ajith E T
- Ratnakar Lande
- RAMOLA SINHA
- Yuvaraj Bhirud
- HOD MECHANICAL...
- Dean Academics
- Dr. Mahammad Idri...

SPCE live

Go to Settings to activate Windows.

Meeting details ^


Turn on captions

Piyush Waman is presenting

Prof. S.M.Muzakkir (D/o Mechanical Engine... and 43 more

11:57 AM

You



sharad mhaikar

REMADEVI C

Avery nice session sir. So happy to hear you after a longtime. Thank You very much sir.

Go to Settings to activate Windows.

Meeting details ^

Turn on captions

Present now

sharad mhaiskar is presenting

SPCE Organising T... and 38 more

10:37 AM

sharad mhaiskar

The slide content is as follows:

Technology Infusion and Penetration in Higher Education Institutes and its Impact on the Role of Academic Leaders

Dr. Sharad Mhaiskar
PVC, NMIMS
sharad.mhaiskar@nmims.edu

1

Meeting details ^

Turn on captions

sharad mhaiskar is presenting

sharad mhaiskar is presenting

Hemant Vasalkar and 40 more

10:50 AM

sharad mhaiskar

The slide content is as follows:

Technology Infusion

- Salesforce CRM for admissions and communication with potential applicants
- SAP – SLCM, Examination, Accounts, Academics, Purchase, workload management pre & post delivery, summative & Formative assessment marks,backbone of NMIMS functioning
- Earlier BBLMS, now Java Portal – student communication, LMS, Online exams- integrated with MS Teams....
- TCS iON- for Content Authoring Engine (CAE), Q-Bank management, QP generation & transmission, On screen marking, Analytics, grade sheets, degree certificates...
- Oracle HCM backbone for HR & Data management
- API's to ensure that different systems talk to each other

5

Meeting details ^

Turn on captions

sharad mhaiskar is presenting

sharad mhaiskar is presenting

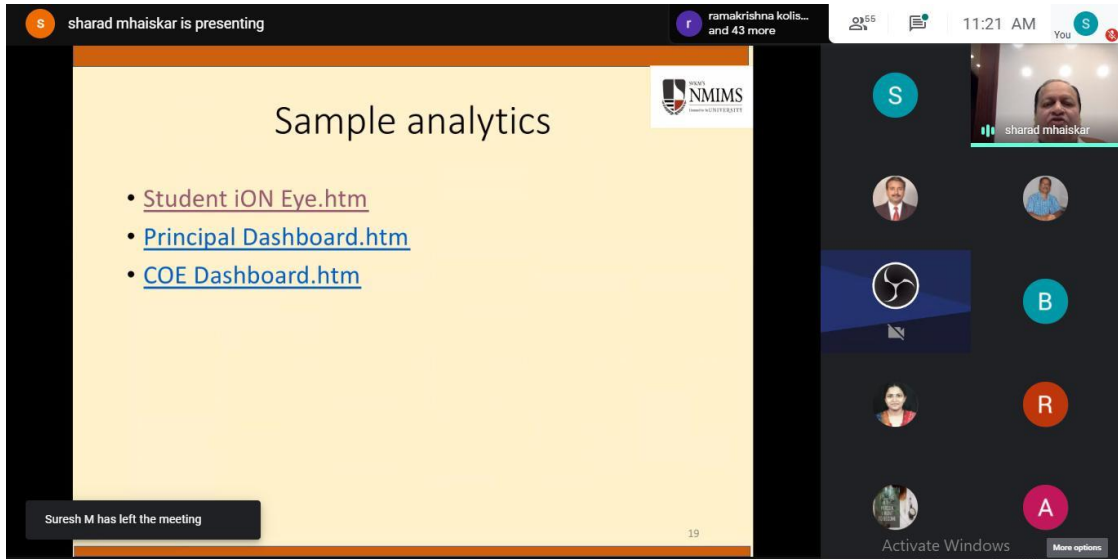
11:21 AM

Sample analytics

- [Student iON Eye.htm](#)
- [Principal Dashboard.htm](#)
- [COE Dashboard.htm](#)

Suresh M has left the meeting

19



sharad mhaiskar is presenting

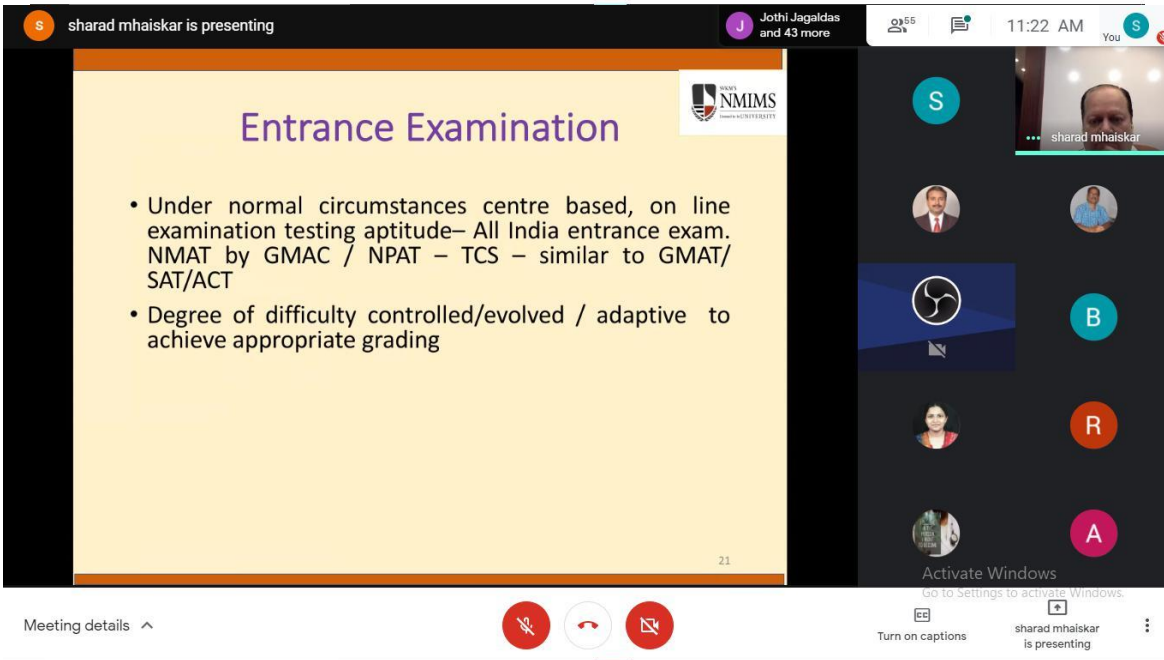
11:22 AM

Entrance Examination

- Under normal circumstances centre based, on line examination testing aptitude– All India entrance exam. NMAT by GMAC / NPAT – TCS – similar to GMAT/SAT/ACT
- Degree of difficulty controlled/evolved / adaptive to achieve appropriate grading

21

sharad mhaiskar is presenting



sharad mhaiskar is presenting

Rita Sharma and 43 more

11:31 AM

Role & Responsibilities of an Academic Leader

- Technology Infusion and penetration across all businesses and lives – education, especially HE cannot be isolated
- VC/PVC/Director/ Deans/ Principals have to be technology savvy and should appreciate / critically appreciate utility and usefulness in HEI functions
- Leaders profile naturally has to be from technology – techno- managerial background – Digital transformation way ahead
- Inputs from technology can be valuable in strategic decision making, monitoring as well as charting out course of action
- Job description and profiles of leaders have to and have indeed reflected these changes

25

sharad mhaiskar

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Meeting details ^



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sharad mhaiskar is presenting

GAUTAM NARW... and 30 more

11:57 AM

Ajaykumar Kambekar

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Meeting details ^



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Present now

youtube.com/watch?v=cJ4MJD3g_BA

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spce live

snarao mnaiskar is presenting and 52 more

Program Design, Delivery & Assessment

- All programs emphasize outcome based approach-program design, delivery, assessment & evaluation
- Pedagogy to ascertain assurance of learning or attainment of program outcomes, followed by evaluation and continuous improvement processes
- Similar approach for professional or non-professional programs
- Assessment processes and further evaluation puts a lot of pressure on faculty
- Efforts to systematically support faculty, at the heart of the entire assessment process - right from assessment to methods to evaluation

Rita Sharma has left the meeting

36:11 / 1:43:35

(Day 3 session 1)TEQIP-III Sponsored National Level Programme on Reforms in Technical Education.

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spce live

snarao mnaiskar is presenting and 53 more

A bit about SVKM's NMIMS (Deemed-to-be-University)

- Started as a Management School in 1983
- Deemed-to-be university status in 2003, Permanent status in 2007
- Accredited with highest grade in all three cycles of NAAC

21:53 / 1:43:35

(Day 3 session 1)TEQIP-III Sponsored National Level Programme on Reforms in Technical Education.

43 views · Streamed live on Mar 6, 2021

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Session 8

Speaker: Prof. Dr. Rajeev Agrawal, Associate Dean,
MNIT Jaipur

Topic: Excellence in Entrepreneurship and start-up

Date: 6 March, 2021

Time: 1:00 pm to 2:30 pm



The speaker for the session was Prof. Dr. Rajeev Agrawal, Associate Dean, MNIT Jaipur. The Session was organized under the guidance of Dr. Santosh Rane, Dean Academics, and Faculty Advisor of the IIIE-SPCE Student Chapter along with IIIE Organizing Team.

The opening speech was given by Ms.Sadhvi Chaubey from S.Y.Mech, SPCE which led to the commencement of the enlightening session. Prof Dr Rajeev Agrawal started with talking about the National Education Policy. Further talking about Global Entrepreneurship index, he discussed about Initiatives of MOE's Innovation Cell. He explained the Thrust Areas of NISP 2019. Speaking about the India's Leading Deep-Tech Startup Hub by IIITM Incubation Cell, Dr.Agrawal talked about the scenario of Entrepreneurship Education in India and its impact.

The session was further enlightened by the interesting doubts and queries of the participants. There was a separate question and answer session in the last which gave true colors to the session and gave chance to faculty members to speak about their doubts regarding session.

The event was carried out on Google meet and was also streamed live on YouTube for every other participant. Professionals from various states and industries participated in the session. Participants indeed acknowledged the speaker and really enjoyed the session and found it informative.

The session ended with a vote of thanks given by Dr. Santosh Rane.

Meet - wcb-saak-ndg

Dr. Rajeev Agrawal - Business Co... The meeting of IT Infrastructure... KASH KISI NE HUMKO YEH BATA...

meet.google.com/wcb-saak-ndg?pli=1&authuser=6

Rajeev Agarwal is presenting

Abdul Jabbar Gu... and 21 more

1:19 PM

NEP For Higher Education & Universities

- 1968-1986(1992)-2020
- GOI wants to improve public investment in the educational domain in order to take it from the current 4.3 % to 6% of the GDP
- Ensure inclusive and equitable quality education and promote lifelong learning opportunities
- Rationalized Education Architecture
 - Teaching-intensive universities, research-intensive universities, and autonomous degree-granting colleges will come into existence.

Rajeev Agrawal, Excellence in Entrepreneurship and start-up

Participants: You, Rajeev Agarwal, Dean Academics, HOD MECHANIC..., SPCE live, Yuvaraj Bhirud, BYSANI MALAK..., anil singhai, Er. Ajith E T

Meeting details

Rajeev Agarwal is presenting

RAMOLA SINHA and 21 more

1:20 PM

Excellence in Entrepreneurship and start-up

Dr. Rajeev Agrawal
Associate Professor, Mechanical Engineering Department,
& Associate Dean (Research)
Malaviya National Institute of Technology Jaipur
(Rajasthan) INDIA - 302017.
rajeev.mech@mnit.ac.in, Cell No:-91-9631659867

TEQIP-III Sponsored National Level Programme on Reforms in Technical Education: Perspective of National Education Policy.

Rajeev Agrawal, Excellence in Entrepreneurship and start-up

Participants: You, Dean Academics, HOD MECHANICAL..., SPCE live, Sadhvi Chaubey, Yuvaraj Bhirud, anil singhai, Er. Ajith E T

Meeting details

Rajeev Agarwal is presenting

Dr. Mohammad I... and 22 more

1:23 PM

You

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Innovation & Entrepreneurship Measuring Frameworks - GII, GEM, GEI, ARIIA

- Click to add text
- Global Innovation Index
- Global Entrepreneurship Monitoring
- Global Entrepreneurship Index
- Atal Ranking of Institutions on Innovation Achievement

Rajeev Agrawal, Excellence in Entrepreneurship and start-up

Slide 15 of 50 | Office Theme | English (India)

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Meeting details



Turn on captions

Rajeev Agarwal is presenting

Rajeev Agarwal is presenting

Rajesh Behra and 26 more

1:28 PM

You

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Initiatives of MoE's Innovation Cell

- Smart India Hackathon
- Institutions' Innovation Council
- Atal Ranking of Institutions on Innovation Achievements
- NISP National Innovation and Start-up Policy 2019 for Students & Faculty
- Hackathon International Hackathons

Rajeev Agrawal, Excellence in Entrepreneurship and start-up

Slide 19 of 50 | Office Theme | English (India)

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Meeting details



Turn on captions

Rajeev Agarwal is presenting

Rajeev Agarwal is presenting

Mayur khade and 30 more

1:43 PM

You

Year	Event
1979	Inc. Magazine begins publication
1981	First Babson Entrepreneurship Research Conference.
1982	Peter Drucker's Innovation and Entrepreneurship first published. (This volume legitimized entrepreneurship among traditional Business School faculties and greatly increased the visibility of entrepreneurship among Business school alumni.)
1987	First undergraduate entrepreneurship course in a Marketing Department (University of Illinois- Chicago)
1998	VuSME, the Virtual University for Small and Medium Enterprises is on the World Wide Web.
1999	Summer Special Research Forum on International Entrepreneurship to published in Academy of Management Journal. (First special issue of a mainstream management journal dedicated to a theme in mainstream entrepreneurship.)

Rajeev Agrawal, Excellence in Entrepreneurship and start-up

Meeting details

Turn on captions

Rajeev Agarwal is presenting

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Rajeev Agarwal is presenting

Sangeeta Daing... and 31 more

1:36 PM

You

Part – I

A. HEIs Strategies & Governance for Promoting Innovation & Entrepreneurship

- A1. Creating Innovation Pipeline and Pathways for Entrepreneurs.
- A2. Building Organizational Capacity, Human Resources and Incentives.
- A3. Collaboration Co-creation and Business Relationship and Knowledge Exchange.

Rajeev Agrawal, Excellence in Entrepreneurship and start-up

Meeting details

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Rajeev Agarwal is presenting

Go to Settings to activate Windows.

Session 9

Speaker: Prof. Dr. Vilas Gaikar, Former Vice Chancellor,
Dr. Babasaheb Ambedkar Technological University, Maharashtra

Topic: Excellence in R&D

Date: 6th March, 2021

Time: 3:00 pm to 4:30 pm



The speaker for the session was Prof Dr. Vilas Gaikar, Former Vice Chancellor, Dr. Babasaheb Ambedkar Technological University, Maharashtra.

The opening speech was given by Dr. Kiran Bhole, Dean R&D, SPCE which led to the commencement of the enlightening session. Prof Dr Rajeev Agrawal started with talking about the Basic Objective of National Education Policy. Further talking about Challenges that will be faced by individuals, technicians and society, he discussed about how: Basic Human Needs and Quest for Knowledge must be the base of all R&D". He made us aware of where do we stand on a global scale on the basis of the R&D done, Prof. Dr.Gaikar talked about NEP envisages transforming the quality and quantity of research. He ended the session by enlightening us about the excellence in research and development and Why one should go for research.

The session was further enlightened by the interesting doubts and queries of the participants.

The event was carried out on Google meet and was also streamed live on YouTube for every other participant. Professionals from various states and industries participated in the session. Participants indeed acknowledged the speaker and really enjoyed the session and found it informative.

The session ended with a vote of thanks given by Dr. Santosh Rane.

youtube.com/watch?v=0CC9Q5TIUyQ

spce live

VG Gaikar is presenting

Excellence in Research and Development

Perspective of National Education Policy-2020 For Transforming Technical Education

VG Gaikar, PhD
Bharat Petroleum Distinguished Professor of Chemical Engineering
Institute of Chemical Technology, Mumbai
and
Former First Vice-Chancellor, BATU (ATU, Maharashtra)

8:33 / 2:11:45

(Day 3 session 3)TEQIP-III Sponsored National Level Programme on Reforms in Technical Education.

Top chat replay

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youtube.com/watch?v=0CC9Q5TIUyQ

spce live

VG Gaikar is presenting

Challenges for us.. as individuals, as *teachers* and as society

- Our National GER is still below 30%.
- Our gender ratio in higher education is just 30-35% , particularly in Technical Education. It has to go to 49% for equity.
- The education as on today is not giving skills that required for earning the livelihood
- Our assessment methods have not changed for decades.
- We have disproportionate allocation of resources between Central and State institutions
- There is *interference* in academic and non-academic matters of institutions.
- The mindset is *not* changing...*despite* realizing the challenges, *from Students-Teachers-Parents-Institutions-Governance

17:12 / 2:11:45

(Day 3 session 3)TEQIP-III Sponsored National Level Programme on Reforms in Technical Education.

Top chat replay

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spce live

VG Gaikar is presenting

Challenges

- We are not isolated from Global Changes
When a Chinese sneezes....an American catches the cold....or Corona!
- We have burgeoning population...with a median below 30 yr. It is a population, aspiring to make difference to own individual life, forget to family/society or nation
- We have a population waiting for opportunities and thus *migrating* long distances...sometimes on foot.
- We have problems of sanitation (still!), pollution(all sorts of)...
- We face problems of *limited resources*, global competition, climate changes, natural disasters, ...and many more.
- To remain in global competition, we have to pull up our socks....(if we are wearing them...)

Kanchan Manikar has left the meeting stated, some of these, issues in B&W in the policy document.

21:32 / 2:11:45

(Day 3 session 3)TEQIP-III Sponsored National Level Programme on Reforms in Technical Education.

Screenshot is saved!
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1333x674 px, 101 KB

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youtube.com/watch?v=0CC9Q5TIUyQ

spce live

VG Gaikar is presenting

Basic Human needs and Quest for knowledge must be the base of all R&D

- Affordable - Clean water, Energy, Education, Food, Shelter and Healthcare - Healthy Growth of population-(Prosperity, Peace)
- Pollution and waste management- Malthu's Law
- Management of biological resources and biodiversity
- Sustainable development- Needs of future generation cannot be compromised
- Climate change
- Innate Curiosity & Intelligence – Needs to be nurtured right from childhood
- Transport and Access to digital space

36:00 / 2:11:45

(Day 3 session 3)TEQIP-III Sponsored National Level Programme on Reforms in Technical Education.

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VG Gaikar is presenting



Kunal Sarode
and 46 more



NEP envisages.... *transforming the quality and quantity of research*

Development of strong research culture

Multidisciplinary

Interdisciplinary

National Research Foundation - Policies

Improved infrastructure

Enhanced funding- Merit based, peer reviewed, incentivized,
accountable

Interaction between Universities-Industry-Community



VG Gaikar is presenting



Dr. Kiran Bhole
and 44 more



Excellence in Research and Development

Ask any one...

'What are the limitations of R&D in India?'

The most common answer is *lack of facilities/infrastructure!*

Does an equipment decide quality and quantity (yes!) of research?

How did the scientists do research in renaissance or even Sir CV Raman's time
100 years ago?



VG Gaikar is presenting



anil devangavi
and 48 more



You

Excellence in Research and Development comes from quality

Basic/Fundamental Research vs Applied Research

Original Research vs Confirmatory Research

Exploratory Research vs Bandwagon research

Skill building research vs run-of-the-mill research

Enjoyable research vs Stressful research



VG Gaikar is presenting



Dr. Leena Raghav
and 55 more



You

Today in the first century of the third millennium..

The world is becoming ...

- fast paced megacosm
- more connected, interlinked & interdependent
- an increasingly crowded place
- more consuming
- more conflicting
- more competitive for resources
- more polluting, more damaging
and
- in many ways less diverse

*We always are off the targets while estimating
the rate of technological change and the rate of social change*



VG Gaikar is presenting

Suresh M and 56 more

You Must Know Your Rights And Those Of Others

It is important to know who owns and who has the right to develop your research output.

As academics, by default, most institutions own your research and have a right to exploit it to benefit.

The institution may choose to protect your ideas with copyrights, licenses, or patents, a wise idea if they are to have commercial value.

You need to understand what this protection means in terms of process, cost, and time involved.

VG Gaikar is presenting

sagar sapkal and 54 more

Why to do Research??

- Intellectual satisfaction....and Recognition..
- Improving understanding....
- Mind set change....
- Value addition....
- Product/Process Improvements...
- Sustainable development
- Strategic requirements- Aatmanirbhar*

Valedictory Session

This successful program on Reforms in Technical Education: Perspective of National Education Policy was ended by the short valedictory session. 185 Professionals from 18 states of India successfully completed the program with their active participation. Participants gave their insights and learnings from the workshop. Dr. Santosh Rane, Dean Academics, SPCE gave a glimpse of all the topics covered and also acknowledged the speakers. He thanked TEQIP and REWA College of Engineering, SAE India Western Section and Indian Institutions of Industrial Engineering for their support. Dr. Sudhakar Umale, HOD Mechanical, shared his success mantra with the participants and congratulated all for successful completion of workshop. Mr. Sudhir Vaidya, Manager at SAE Western Section, Dr. Vaibhav, IIIIE Senior Professional further expressed their gratitude for organizing such programmes. Dr B.K.Agrawal Principal of REC Rewa congratulated Dr Rane and Dr Bhole for organising a National Level Programme and also congratulated participants for successfully completing the programme. Dr. M. M. Murudi, Principal, SPCE, appreciated coordinators (Dr. Santosh Rane and Dr. Kiran Bhole) for organizing such a successful National Level Programme, latter he congratulated all participants for completion of workshop successfully. The vote of thanks given by Dr. Kiran Bhole, Dean R&D, SPCE where he thanked the organising committee and the participants for the smooth flow of the sessions.

**TEQIP-III Sponsored National Level Programme on
Reforms in Technical Education: Perspective of
National Education Policy**

4th March 2021 to 6th March 2021

Jointly Organised by



Bhartiya Vidya Bhavan's
**Sardar Patel College of
Engineering**
Bhavan's Campus, Mumbai,
400058



**Rewa College of
Engineering**
University Road, Rewa,
MP, 486 002

In collaboration with



**Indian Institution of
Industrial Engineering**



**SAE India
Western
Section**

About the Institute

Sardar Patel College of Engineering (SPCE) under the management of the Bhartiya Vidya Bhavan, was founded by Kulapati Dr. K. M. Munshi. It was established to meet the growing demand for engineering talent. The foundation stone of the college was laid on 17th September 1961 by Shri. Y. B. Chavan (the then Chief Minister of Maharashtra who later became the Defense Minister of India.) The college was inaugurated by the first Prime Minister of Independent India, Pandit Jawaharlal Nehru in 1962. The college is dedicated to Sardar Vallabhbhai Patel, an eminent nation builder of independent India. The college is autonomous and affiliated to the University of Mumbai for the full-time degree, post graduate, and research programs. The institute has set high standards for aspiring engineering students and also meets the need of quality education in the challenging world of business. Over the last 50 years the college has gained an excellent reputation in the field of Technical Education. SPCE is one of the few colleges that have received Grade 'A+' rating for its aided courses from the Govt. of Maharashtra which certifies the spirit of excellence that the institute has symbolized and always practiced. Institute celebrated its golden jubilee in the year 2012.

Institute offers 3 B.Tech. programmes (Civil Engg. Mechanical Engg., and Electrical Engg.) and 5 M.Tech. programs (Structural Engg, Construction Management, Machine Design, Thermal Engineering, Power Electronics and Power Systems). Institute also offers PhD in Civil Engineering, Electric Engineering and Mechanical Engineering. SPCE offers excellent placements to the students.

Learning Objectives

To understand multidimensional aspects and important insights of reforms in Technical Education in the perspective of National Education Policy.

Outcomes

Participants will experience Knowledge enhancement about reforms in Technical Education in the perspective of National Education policy.

PATRONS

Dr. Sesha Iyer
Chairman,
BOG SPCE, Mumbai

Dr. Abhay Wagh
Director, DTE,
Maharashtra State

Dr. M.M. Murudi
I/C Principal
SPCE, Mumbai

Dr. B.K. Agrawal
Principal REC, Rewa

Mr D. V. Bhagat
Chairman
Indian Institution
Industrial Engineering

Mr. S. S. Nibandhe
Chairman, SAE India Western
Section.
Dy. Director, ARAI

Workshop Coordinators

Dr. Santosh B. Rane
Dean Academics,
SPCE, Mumbai

Dr. Kiran T. Bhole
Dean R&D
SPCE, Mumbai

Program Outline

Day 1 4th March 2021	Session1 Time: -10:30 am-12:00pm	Roadmap of Technical Education Speaker : - Prof. Dr. N C Shivprakash, IISc Bangalore
	Session2 Time: - 1:00 pm-2:30pm	NEP Highlights and Implementation Strategy in Technical Education Speaker:- Prof.Dr. R Natrajan , Former Chairman AICTE, Former Director IIT Madras
	Session3 Time: -03:00 pm-04:30pm	Future Ready Innovation and Global Digital Communication – NEP 2020 Speaker :- Dr.Parvinder Singh , Vice Chancellor at Rayat Bahra University Mohali, Chandigarh, India
Day 2 5th March 2021	Session4 Time: -10:30 am-12:00pm	Quality And Excellence Issues in NEP implementation Speaker:- Prof.Dr. R Natrajan , Former Chairman AICTE, Former Director IIT Madras
	Session 5 Time: - 1:00 pm-2:30pm	Integrative science and Inter-disciplinary Engineering Education and Research for New Age Speaker:- Prof P B Sharma, Vice Chancellor at Amity University Founder VC DTU, RGTU, Former Prof at IITD
	Session6 Time: -03:00 pm-04:30pm	International Collaboration in Academics and Research Speaker:- Dr Sandeep Inamdar , Managing Trustee at Vishwaniketan, Former Director STE Society.
Day 3 6th March 2021	Session 7 Time: -10:30 am-12:00pm	Technology Infusion and Penetration In Higher Education Institutes And Its Impact On Changing Role Of Academic Leaders. Speaker:- Dr. S.Y.Mhaiskar. Pro Vice Chancellor at NMIMS University
	Session 8 Time: - 1:00 pm-2:30pm	Excellence in Entrepreneurship and start-up Speaker:- Prof Dr Rajeev Agrawal, Associate Dean , MNIT Jaipur
	Session 9 Time: -03:00 pm-04:30pm	Excellence in R&D Speaker:- Prof Dr. Vilas Gaikar, Former Vice Chancellor at Dr. Babasaheb Ambedkar Technological University, Maharashtra

Organizing Committee

Dr Sanjay Bokade
Chairman,
IIIE Mumbai Chapter

Dr S.S Umale
HOD – Mechanical Engg. SPCE

Dr. Ms. Anupa Sabnis
HOD-Electrical Engg. SPCE

Dr. A. A. Bage
HOD-First year, SPCE

Dr. R. P. Tiwari
TEQIP III Coordinator,
REC, Rewa, MP

Dr. R. T. Dahatonde
TEQIP III Coordinator, SPCE



Date: 4th -6th March 2021
Platform: Google Meet

For any assistance feel free to contact
IIIE-SPCE Student Chapter Team

Shivani Aware
8623883668
Aniruddha Deshpande
9320332510
Piyush Waman
7506065083
Mayank Bhalerao
7219125908

Who should Attend: Faculty members Technical Institutes in India

Registration

There is **no registration fee** for this workshop. The interested participants need to register at this link: <https://forms.gle/sqa2CmdnH4nrzNLz8>. The organizer preserves participation selection rights. All the selected participants are requested to join the **Whatsapp group** through link given in registration form for easy updates.