



# Gujarat Technological University

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Internal Quality Assurance Cell-GTU

## Report on West Zone Vice Chancellor's Conference on Implementation of National Educational Policy – 2020

Held on Date: 26<sup>th</sup> October, 2023      Venue: Kevadiya Colony, Statue of Unity, Gujarat

West Zone Vice Chancellor's Conference on implementation of NEP 2020 was inaugurated by Shri Dharmendra Pradhan, Hon'ble Education Minister, Government of India in the presence of Hon'ble Chief Minister of Gujarat Shri Bhupendrabhai Patel, Hon'ble Education Minister Shri Rushikeshbhai Patel, Government of Gujarat and Chairman of UGC and AICTE Prof. M. Jagdishkumar and Prof. T. G. Sitharam respectively. Also, more than 110 Vice Chancellors from Gujarat, Maharashtra and Goa and more than 140 NEP coordinators, of universities of western zone, along with Registrars and IQAC coordinators were also present in this conference. DR. K. N. Kher-Registrar GTU, Dr. S.D. Panchal- NEP coordinator & Director-GSET-GTU, Dr. Kaushal Bhatt –IQAC Coordinator-GTU has participated in this conference from GTU.

The highlights of their speech in the inauguration session is as follows:

### Shri Rushikeshbhai Patel-

- NEP 2020 is accepted in each and every corner of our country and is not opposed by anyone.
- Conference provides a platform for one to one interaction and also for discussions to overcome the problems faced in implementation of NEP 2020.
- Discussions on NEP 2020 in the technical sessions will lead to creation of 'gyan ka amrut'





### **Prof. T. G. Sitaram –**

- Completed 3 years of NEP implementation
- During Amritkaal, through NEP – we can transform education holistically
- Skill courses in engineering
- Apprenticeship will add to the practical knowledge for technical students.
- Plans of teaching of technical courses in 22 Indian languages, so that there are no linguistic barriers in technical education.

### **Prof. M. Jagdishkumar-**

- Zonal committees for driving strategies for implementation of NEP 2020
- UGC has come up with many reforms with respect to NEP 2020
- More than 2 cr students on ABC
- Revolutionary since independence - FYUG
- Internship mandatory as part of 4 year programs
- Institutes should identify skill courses

### **Shri Dharmendra Pradhan-**

- Congratulated Government of Gujarat and M.S. University for organizing the first zonal conference for implementation to NEP 2020
- Ideas discussed should translate into initiatives and reach to the students
- Efforts should be made to bring uniformity in education in the country

### **Shri Bhupendra Patel-**

- NEP will be more reliable and futuristic, with a view on intellectual and economic development till 2047
- Roadmap ready for 10 years of NEP implementation
- Focus on education in mother tongue language





There was inauguration of booklet on SOP for NEP Implementation during the event. Shri Mukesh Kumar, Principal Secretary – Education, government of Gujarat delivered the vote of thanks.

Inauguration session was followed by Technical session 1 and Technical session 2 in the pre-lunch session.

Technical session 1 which highlighted Research, Innovation, Quality of Education and Governance, which was chaired by AICTE Chairman Dr T G Sitharam. The speakers in the first team were Dr. Neerja Gupta – VC, Gujarat University and Professor Ram Kumar Kakakni – Director, IIM Raipur and speakers in the second team were Professor T V Kathimani- VC, Central Tribal University, Andhra Pradesh and Srijan Pal Singh of Dr Kalam Foundation.



The highlights of their speech in the technical session is as follows:

### **Access to Quality Education and Governance - Higher Education**

#### **Prof. Neerja Gupta-Vice Chancellor, Gujarat University**

- Pre-NEP, it was a saga of missed opportunities.
- GER should improve.
- Go into the PPP.
- We should have our own markers of accreditation, so that the centre of international education should come back to India.

#### **Prof. Ramkumar- Director, IIM-Raipur**

- Quantum of governance – private and public governance
- Private governance – market clearing mechanism
- Public governance – hierarchical arrangement



- HE falls into mandated collaborative governance – ensures benchmarks in academic excellence, with social impacts.
- Need public and private funds
- Need capacity development of faculties

### **Equitable and Inclusive Education - Issues of Socio Economically Disadvantaged Group (SEDG)**

**Prof. T. V. Kattimani-Vice Chancellor, Central Tribal University**

How equitable and inclusive, education should be? How to enhance quality education for SDG 4?

- Inclusiveness includes gender inclusiveness, divyang empowerment,
- Education with technology

**Shri Srijan Pal Singh-Founder Dr. Kalam Foundation**

- Half-life of knowledge right now is 7 months.
- Institutional changes (labs, libraries, etc.), People.

Technical session 2 was chaired by Mr. Atul Kumar Tiwary- IAS, Ministry of Skill Development and Entrepreneurship. The speakers in the first team were Mr. Nilesh Desai- Director, Space application Center, Professor T. G. Sithram- Chairman AICTE and speakers in the second team were Professor Rajat Moona- Director, IIT Gandhinagar and Dr. Unnat Pandit- Professor of entrepreneurship & Innovation, Jawaharlal national university.

The highlights of their speech in the technical session is as follows:

### **Creating Synergy between Education and Skilling Future Workforce**

**Shri Atul Kumar Tiwari, IAS- Secretary, Ministry of Skill Development and Entrepreneurship (MSDE)**

- Skilling, reskilling and upskilling – the mantra given by Hon'ble Prime Minister
- Upskilling will lead to increase in GDP by 6.1% by 2030
- The segments identified (23.6 crore people) for skill integration are



- 12.6 crore students out of education and employment
- 5.9 crore students in government / aided schools class 6 onwards
- 4. Crore students in 56,000 HEIs, 65% in private colleges
- 1 crore school dropouts (std. 6 – 12)

**Prof. T. G. Sitharam, Chairman, AICTE**

- All students have to be skilled, knowledge creation and skilling are utmost importance.
- AICTE made internship an integral part of the curriculum, more than 2 crore registered students on the AICTE internship portal which was started 4 years back, and credits are also given.
- AICTE started hackathons, majority of the hackathons in the country are anchored by AICTE.
- AICTE Idea Labs – 106 labs in 106 institutes in the country.
- Digital skills / domain skills/ future skills / employability skills are needed.
- Skills to be learned during college, not after graduation.
- All stakeholders need to upskill and reskill.
- Technical courses for engineering and managerial skills.
- Integrate Skill India Digital portal with AICTE internship portal.
- Need to train 50 lakh interns in chip manufacturing, design, semi-conductor production.
- 128 institutes offering programs in VLSI, 15,000 graduates shall be available in 4 years.
- Need to create fabrication facilities for VLSI manufacturing, delegation from Taiwan shall be visiting.

**Shri Nilesh Desai- Director, SAC-ISRO, Ahmedabad**

- ISRO is thankful for the love from the citizens.
- ISRO's time to give back to the country.
- Paid tribute to Shri Kasturiranjana, Ex-ISRO chairman – architect of NEP.
- ISRO will play a major role in outreach, training and internship.



- New Geo-spatial policy 2021 and many other policies to help students for space-based education.
- ISRO will be promoting academic research using various facilities at ISRO, for students and start-ups too.
- ISRO will go to students and universities.

**Prof. Rajat Moona - Director, IIT Gandhinagar**

- Technical skilling is of paramount importance in the manufacturing sector.
- In 1970s, internship was essential in all technical institutions. As manufacturing declined, internships were not available and internships were relaxed. Industry failed to get skilled graduates.
- Huge effort on to modernize it is.
- A skill course has to be upgraded once in 5 to 7 years.
- Education can be holistic only when certain kind of skilling is imparted.
- Educational institute + research lab + hi-tech agency – such triads are needed.
- In India, IIT – ISRO – PRL triad being worked out.

**Prof. Unnat Pandit - Controller General of Patents, Designs, Trademarks, Ministry of Commerce & Industry**

- India is facing challenges in fulfilling the SDG goals.
- To utilize knowledge, three pillars are needed – skills, academia industry connect and employability.
- India is 5th in patents and trademarks, 5th in number of Ph.Ds. still challenges persist.
- Every academic institution should have an IT bank, a knowledge bank.
- This will offer employability for young graduates.
- NEP emphasizes on knowledge and innovation.

There were two technical sessions, post lunch. Technical session 3 was chaired by Dr. Chintan Vaishnav- Mission Director, Atal Innovation Mission. The speakers in the first team were Dr. Sunil Shukla- Director, Entrepreneurship Development Institute of India, Brigadier P. ganeshan- former President, Palle Srujana and speakers in the second team were Professor



Bharat Bhaskar- Director, IIM Ahmedabad and Professor Manoj Chaudhri -VC, Gati Shakti University.

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The highlights of their speech in the technical session is as follows:

### **Session 3: Innovation and Entrepreneurship**

#### **Dr Sunil Shukla-Director EDI, Ahmedabad**

- Entrepreneurship is a state of mind.
- Entrepreneurial qualities are necessary as a life skill.
- EDI conducts entrepreneurship research, this year – India stands at No. 4 among 50 countries. The report emphasizes strengthening entrepreneurship at school and college levels, Israel leads at school education level and UAE leads at higher education level.
- NIRF from this year has a new category – innovation, which is very good.
- ATAL innovation Labs has boosted entrepreneurship.
- NSIP and SSIP are essential for boosting innovation.
- Need to go out of the campus for promoting entrepreneurship, NEP mentions reaching out to society at large.
- To teach entrepreneurship, the teacher has to be entrepreneurial.
- Entrepreneurial incubation is equally important as technological incubation.

#### **Brigadier P. Ganesham, (VSM), retd. - Founder President, Palle Srujana**

- Need to go the villages and study the informal systems.
- Learning from villages and nature should be included in NEP.



- Need to identify creative people in the villages, document them and share it with the formal systems.
- Engage students with villages.
- Many innovations evident in villages, these innovations also address SDGs.

**Prof. Bharat Bhasker - Director, IIM Ahmedabad**

- India did research for the sake of research in 80's.
- Sporadic initiatives like CSIR labs, though did not add to value creation
- Significant results in the past decade, doubled research output in terms of research papers
- Research funding doubled, but less than other countries
- Quality remains a challenge in India, but same was the case with China in 90s.
- Initially increase the quantity then focus on quality
- Research of three types
  - Basic research – thirst for knowledge, explore phenomenon.
  - Applied research – from the U.S. military, single minded focus to create the best military in the world. Problem to be solved with an application in mind e.g. vacuum tubes and transistors in the US.
  - Developmental research – has an immediate focus in mind, it is a necessity to drive the economy to the highest level. E.g. how Google found out a way to accumulate information.

India's focus should be on development and applied research.

**Manoj Chaudhary - VC, Gati Shakti University**

- 1st Central University to be set up after NEP 2020, a focused university.
- Setup to spearhead PM Gati Shakti Plan – holistic development of infrastructure.
- Innovation-led industry driven university.
- Goal is to work across the transportation sector.
- MoU with AIRBUS, Ministry of Commerce & Industry, Indian Maritime University.





- Research should be based on goal and purpose, should be directed research, all universities should not research everything, universities should be identified for focus research areas.
- Deepen the use of technology, should focus on outcomes.
- Research publications are a by-product, cannot be the main focus of research.

**Dr. Chintan Vaishnav - Mission Director, Atal Innovation Mission**

- No nation can move ahead without research and innovation and India will be no exception

Technical session 4 was chaired by Prof. M. Jagdishkumar – Chairman, University Grants Commission. The speakers in the first team were Dr. Rangan Banerjee - Director, IIT Delhi, Professor Santishree Dhulipidi Pandit- VC, Jawaharlal Nehru University and speakers in the second team were Shri Sankarnandji – Organising Secretary, Bhartiya Siksha Mandal and Professor Vinita Sahay- Director IIM Bodhgaya.

The highlights of their speech in the technical session is as follows:

**Session-IV: Internationalization of Education**

**Prof. Rangan Banerjee-Vice Chancellor, JNU**

- Link bhariyaa gyan parampara and internationalization.

**Prof. Sathishree Pandit- Vice Chancellor, Jawaharlal Nehru University**

- Holistic perspective with an Indian perspective.
- ICT based internationalism.

**Shri. Shankarananda ji- National Joint Organizing Secretary, Bhartiya Shikshan Mandal**

- Change Indian Knowledge System term to Bhartiya Gyan Parampara.
- Knowledge and Gyan are different, Gyan is not 'jankari'.
- Internal gyan is called adhyatma, external vigyan is for ajivika.
- System and parampara are different, parampara is based on thousands of years of experience.



- Minimum resources for personal consumption can solve many global problems such as climate change and global warming.

**Prof. Vinita S. Sahay - Director, Indian Institute of Management, Bodh Gaya**

- We lost out treasure of Indian knowledge.

**Prof. Jagadesh Kumar -Chairman, University Grants Commission**

- Regulations for international universities to set up their campuses in India to be announced soon.



The day ended with valedictory function which was chaired by Hon'ble Minister of state for Education Shri Prafulbhai Panseriya. The other dignitaries on the dais for this function were UGC Chairman Prof. M. Jagdishkumar, Principal Secretary – Department of Education, Government of Gujarat Mr. Mukeshkumar, Commissioner Technical Education Shri Bacha Nidhipani, Director Higher Education Mr. P. B. Pandya, Vice Chancellor of M S University- Dr. V. K. Srivastava, Registrar of M S University Dr Chudasma, Joint Commissioner Higher Education Narayan Madhu and Advisor KCG- Professor A U Patel.



Inauguration ceremony of West Zone Vice Chancellor's Conference



GTU officers attended Conference on Implementation of National Educational Policy – 2020 at Kevadiya Colony



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