

**NATIONAL INSTITUTE OF TECHNICAL TEACHERS TRAINING AND RESEARCH**  
Taramani, Chennai – 600 113

---

**Minutes of the 56<sup>th</sup> Meeting of the Board of Governors (through Hybrid mode)**  
**held on 10<sup>th</sup> May 2024, Friday at 11:00 a.m.**  
**in the Board Room of NITTTR, Chennai**

---

The following Members were present at the Meeting:

01	<b>Shri Govind Jaiswal IAS,</b> Joint Secretary (TEL), Ministry of Education, Department of Higher Education, New Delhi – 110 001	Chairman
02	<b>Shri Anil Kumar,</b> Director, (Finance), Integrated Finance Division, Ministry of Education, Department of Higher Education, New Delhi – 110 001	Representative of JSFA
03	<b>Dr. Ramesh Unnikrishnan</b> Advisor-II Training and Learning Bureau All India Council for Technical Education Nelson Mandela Road, Vasant Kunj, New Delhi – 110 070.	Member
04	<b>Dr. R. Santhakumar</b> Professor & Head Department of Civil & Environmental Engineering NITTTR Chennai	Member (Faculty Representative)
05	<b>Dr. Usha Natesan</b> Director NITTTR, Chennai	Member-Secretary

Since the tenure of the Chairman, BoG was vacant from 26.02.2024, the members of the Board nominated Shri Govind Jaiswal IAS, Joint Secretary (TEL) to chair the 56<sup>th</sup> BoG meeting.

The above Board members have attended the Board meeting through video conferencing except Dr. Usha Natesan and Dr. R. Santhakumar who have attended the Board meeting through contact mode.

At the outset, Dr. Usha Natesan, Member-Secretary welcomed all the members of the Board to the 56<sup>th</sup> Meeting of the Board of Governors and briefed about the major activities / achievements of NITTTR Chennai during 1<sup>st</sup> February 2024 to 30<sup>th</sup> April 2024. The details are enclosed as Annexure-1.

The items on the agenda were taken up for consideration, deliberations and decisions are as under:

**Item No. BoG.56.01.01**

**To consider and confirm the minutes of 55<sup>th</sup> Meeting of the BoG held on 22.02.2024**

**Res. No. BoG.56.01.01/2024-25**

The Board confirmed and approved the minutes of the 55<sup>th</sup> Meeting of the BoG held on 22.02.2024.

**Item No.BoG.56.02.01**

**To report the action taken on the various resolutions passed at 55<sup>th</sup> Meeting of the BoG held on 22.02.2024**

**Res. No. BoG.56.02.01/2024-25**

The Board noted the action taken by the Institute on the various resolutions passed in the 55<sup>th</sup> Meeting of the BoG held on 22.02.2024 and approved the same.

**Item No.BoG.56.03.01**

**To report the activities of the Institute carried out from 1<sup>st</sup> February 2024 to 30<sup>th</sup> April 2024**

**Res. No. BoG.56.03.01/2024-25**

The Board went through the activities of the Institute carried out during 1<sup>st</sup> February 2024 to 30<sup>th</sup> April 2024 and appreciated the same and suggested for reflecting of Patents received in the name of NITTTR, Chennai in IRINS Portal.

**Item No.BoG.56.03.02**

**To report on the MoUs signed between  
NITTTR Chennai and various  
Institutions**

**Res. No. BoG.56.03.02/2024-25**

The Board noted the MoUs signed between NITTTR Chennai and various Institutions.

**Item No.BoG.56.04.01**

**To consider and approve the targets  
achieved in MoU for the period from  
April 2023 to March 2024**

**Res. No. BoG.56.04.01/2024-25**

The Board went through the targets achieved in MoU for the period from April 2023 to March 2024 and approved the same.

**Item No.BoG.56.04.02**

**To consider and approve the MoU  
between NITTTR, Chennai & Ministry  
of Education for the year 2024-25**

**Res. No. BoG.56.04.02/2024-25**

The Board went through the MoU between NITTTR Chennai & Ministry of Education for the year 2024-25 and suggested to revise the targets based on Skill Development, Capacity Building, Curriculum revision, Introduction of Accreditation and regulatory reforms, setting up of AI centers, Technology Transfer etc. in alignment with NEP 2020.

**Item No.BoG.56.04.03**

**To consider and approve the modification in the Selection Committee for direct recruitment of Faculty and Group A posts in the absence of the Chairman, BoG**

**Res. No. BoG.56.04.03/2024-25**

The Board went through the modification in the Selection Committee for direct recruitment of faculty and Group A posts in the absence of Chairman BoG and suggested to send the proposal of nominating Director to chair the Selection Committee for its consideration.

**Item No.BoG.56.04.04**

**To Consider and approve the minutes of the 18<sup>th</sup> Academic council Meeting in formulating the academic programs and the regulations of Deemed to be University, NITTTR, Chennai**

**Res. No. BoG.56.04.04/2024-25**

The Board went through the minutes of the 18<sup>th</sup> Academic Council Meeting of the Institution in formulating the academic programs and the regulations of Deemed to be University, NITTTR Chennai and suggested to frame courses which are Industry ready, Skill courses, Health care, Logistic Management, Artificial Intelligence etc. in alignment with NEP 2020.

**Item No.BoG.56.04.05**

**To consider and approve the proposal of Record retention of NITTTR, Chennai**

**Res. No. BoG.56.04.05/2024-25**

The Board went through the proposal of Record retention of NITTTR, Chennai and approved the same.



**Item No.BoG.56.04.06**

**To consider and approve the merger of  
Centre for Educational Management &  
Applied Science (CEMAS) with  
Department of Education (DE)**

**Res. No. BoG.56.04.06/2024-25**

The Board went through the merger of Centre for Educational Management & Applied Science (CEMAS) with Department of Education (DE) and approved the same.

**Item No.BoG.56.04.07**

**To consider and approve permission  
for signing MoU with Foreign  
Universities**

**Res. No. BoG.56.04.05/2024-25**

The Board went through the proposal of permission for signing MoU with Foreign Universities and suggested to get concurrence from the Ministry.

The meeting ended at 12.00 noon with vote of thanks to the Chair.



**DIRECTOR / Member-Secretary**

-sd-

**CHAIRMAN (BoG)**

**NATIONAL INSTITUTE OF  
TECHNICAL TEACHERS TRAINING AND RESEARCH, CHENNAI**

**Institute Activities from 1<sup>st</sup> February 2024 to 30<sup>th</sup> April 2024**

**Revenue generated (1<sup>st</sup> February 2024 to 30 April 2024) : ₹.95,12,462**

**Revenue generated from 1<sup>st</sup> April 2023 to 31<sup>st</sup> March 2024: ₹. 3,42,53,068**

**Total Number of Participants Trained:**

- **PDP and ITEC Courses - 2191**
- **SWAYAM - 199039**
- **NITTT - 16502**

**1. Proposal submitted/ awarded for Sponsored Research Projects/ conducting Training Programmes**

- **Skill Training programme under PMKVY 4.0's Skill Hub Initiative.** With 60 participants enrolled, this program is set to empower drone technology skills and education. ₹.5.78 lakhs
- **Selected as Mentor Institute (MI) in AICTE under the Margdarshan Scheme 2023-24 of AICTE.** ₹.18.00 lakh.
- **Awarded NLC Project-Study on Land use Land cover and Hydro Geomorphology through remote sensing technique using satellite imageries for NLC Mining lease area, Neyveli-₹.6,95,020.**
- **Proposal submitted to Ministry of External Affairs for conduct of 18 ITEC and e-ITEC Courses during 2024-25 of which 8 ITEC Courses are approved.**
- **Proposal submitted to Ministry of Education for establishing NITTTR Chennai Offshore Campus.**
- **Project proposal submitted on Intelligent assessment of pavement condition rating using machine unlearning techniques, duration 16 months, ₹.12 lakhs, Ministry of Electronics and Information Technology (MEITY)**
- **Project submitted on Study of the technological advancements in the manufacture and market trends in the utilization of calcium silicate bricks used as building materials submitted to BIS ₹. 9,65,627/-**

- Proposal submitted for conduct of **Innovation Design and Entrepreneurship Boot Camp for School Teachers and Students** in collaboration with Innovation Cell, AICTE.
- Submitted of Expression of Interest to MoE regarding **Multidisciplinary Education and Research Improvement in Technical Education (MERITE)** - Pedagogical Training Programmes by NITTTR Chennai.
- Submitted Expression of Interest to conduct Workshop in Indian languages on **Digital Transformation in Healthcare powered by Machine Learning** under AICTE-VAANI from 6.11.24 to 8.11.2024
- Submitted Proposal for training school students on “**Empowering Young Minds: An Introduction to Drone Technology**”
- Prof. Dr. Usha Natesan, Director, NITTTR Chennai, had fruitful discussions with **officials of Archaeological Survey of India (ASI)** to explore potential cooperation areas.
- DSIR application for customs duty exemption and excise duty waiver on import of equipment/instruments and their spares and consumables is under process. Import Export Code (IEC) generated for our institute - AAIAN7785Q.



## 2. Patents

- Dr. Chandra Bogireddy; **Dr. Vinod Kumar Adigopula**, Dr. Ankit Garg .Dr. Yanning Wang .Dr Chandresh H.Solanki .Polugari Venkateswarlu .Amogha C Patil. “Soil Particle Classifier”. Patent granted on 19-04-2024; Design No:382429-001.
- Patent Reg. No. 202341087966, S. Vijayalakshmi, A. Paramasivam, Pittu Pavan Sai Kiran Reddy, **E. Balasubramanian**, Devising IoT based Healthcare Medical Container for Transportation of Organs and Healthcare Products, Filed on 25-03-2024

## 3. Publications

### Journals

1. Vinod Kumar. “**Pavement Surface Condition Assessment: A-State-of-the-Art Research Review and Future Perspective**”, Journal of Innovative Infrastructure Solutions. Springer Publisher.

2. Vinod Kumar.,G.Janardhana.,K.S.A Dinesh Kumar., Jegan Bharat., Chandra. **“A case study: Overloading consequences on flexible pavement”**. Journal of The Institution of Engineers (India): Series A., Springer Publisher.
3. Arasumani, M., M. Kumaresan, and Balasubramanian Esakki. **"Mapping native and non-native vegetation communities in a coastal wetland complex using multi-seasonal Sentinel-2 time series"**, Biological Invasions, 2024, pp.1-20, IF: 2.96
4. Senthil, V., Balasubramanian, E., Raju, G.S. et al. **Drilling Studies on MWCNT- and Zirconia-Reinforced Aluminium Alloy 8011 Hybrid Composite: A Machine Learning Approach**. Arab J Sci Engg, 2024.
5. Kalaiselvi, T., Sasirekha, S., Solomon, M. O. & Manikandan, M. V. (2023). **Precision Health Monitoring: Exploring the Fusion of Wearable IoT Sensors, Multimodal Data, and ML**. IRO Journal on Sustainable Wireless Systems, 5(4), 340-359. doi:10.36548/jsws.2023.4.005
6. Selvi, T., S.Sasirekha, N.Deepika & Kavya , V. (2024). **Customer Segmentation in IT Sector using Datamining Techniques**. Journal of Artificial Intelligence and Capsule Networks, 6(1), 15-26. doi:10.36548/jaicn.2024.1.002
7. Arul Kumaravelu, ESM.Suresh, **“An Evaluative Study on Challenges in Quality Assurance in Fashion Design Courses in India”**, Educational Administration: Theory and Practice (E-ISSN: 2148-2403,P-ISSN: 1300-4832), 29.04.2024. (Scopus Indexed).
8. Shobha KN, April 2024- Educational Administration: Theory and Practice-Scopus Journal-**Microlearning Practices In Blended Educational Contexts: A Qualitative Study** <https://kuey.net/index.php/kuey/article/view/1992> Vol. 30 No. 4 (2024)
9. Saravana Perumaal Subramanian, Selva Kumar Chandrasekar, **Simultaneous allocation and sequencing of orders for robotic mobile fulfillment system using reinforcement learning algorithm**, Expert Systems with Applications, Volume 239, 2024, 122262, ISSN 0957-4174, <https://doi.org/10.1016/j.eswa.2023.122262>. <https://www.sciencedirect.com/science/article/pii/S0957417423027641>
10. Ganesh, M.A., Saravana Perumaal, S., and Gomathi Sankar, S.M. **Automated License Plate Authentication Framework Using Multi-View Vehicle Images**. Journal of intelligent and fuzzy systems, March 2024: 1–27. ISSN 1875-8967 <https://content.iospress.com/articles/journal-of-intelligent-and-fuzzy-systems/ifs230607>

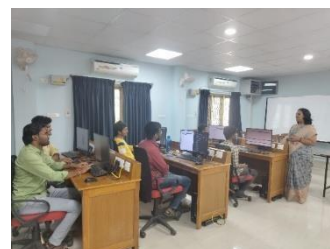


## Conferences

- Subha T Presented a paper titled “**Transformation of AI Tools in Accelerating Students Development**” in a two day International Conference on “Skill Development & Knowledge Transfer using AI: A Multidisciplinary Approach” organized by S.A.College of Arts & Science from 27.3.24 – 28.3.24.

## 4. Student Activities

- Ms.G.L.Bheulah, I year PG Student (VLSI Design and Embedded Systems) received **Non Gate PG Assistantship of ₹.72000/-** for the year 2023-24.
- Shri Mohanraj Panchanathan, I year ME student, DCEE has been selected for a **Scholarship for the Summer School 2024 (22 July 2024 – 02 August 2024)** on “**Regenerative Urban Futures – Circular Economies and Societies**”. in the **Indo-German Centre for Sustainability program** funded by DAAD, sponsored by BMBF through DAAD, **RWTH Aachen University (Stipend 340 Euro)**
- Provided **internship** to 6 students from Madanapalle Institute of Technology and Science, AP.
- **Vaayusastra Drone Course** was offered to college students for a duration of 2 months in 3 batches during January-March 2024.



## 5. ITEC Programmes Conducted

- Conducted **ITEC Program** on “**Total Solution for Integrated Library System**” in association with DELNET (Developing Library Network), New Delhi.
- Four weeks **ITEC Program** on “**Skill Development in Electronics for TVET Trainers and Planners**”.

## 6. Specially Designed Programmes Conducted

- One day workshop on **OBE & NBA** for faculty members of **NIT Surathkal** (Contact mode).

- ATAL FDP on **Towards the Factory of the Future: Robots' Perspective** during 29<sup>th</sup> January - 3<sup>rd</sup> February 2024 (Contact mode).



- PDP on **Pharmacotherapeutics & Hospital and Clinical Pharmacy** from 19.02.2024 to 24.02.2024 for faculty members in Pharmaceutical discipline at the State Board of Technical Education and Training (SBTET), **Andhra Pradesh** (contact mode).



- 5 days training program on **NBA Accreditation** for the faculty members of Madanapalle Institute of Technology and Science at **MITS Madanapalle, Andhra Pradesh**.

- One-day training program on **Digital Content Creation and Curation Methods** for the officials of the **National Academy of Direct Taxes** (Contact mode)



- 3 Days **Boot Camp on Game Development using Unreal Engine** in association with A Plus Associates LLP (Contact mode).

- 3 Days **Workshop on 3D Asset Development in Blender and VR Application Building in Unreal Engine** for 25 participants from SSN Engineering College, Chennai sponsored under SERB-CRG SSR Fund. (Contact mode).

- Colombo Plan Staff College (Philippines) - Labtech International (US-Indonesia) In-Country Program on “**Training of Trainers on Electrical Basics using Virtual TVET**” during 01.04.2024 to 04.04.2024 (Online mode).



- **OBE Based curriculum Design and Implementation** for faculty members of **St. Peter's Institute of Higher Education and Research, Chennai** (Contact mode).

- **Outcome Based Education** for the faculty members of **MNM Engineering College, Chennai** (Contact mode).
- 3-days **Workshop on PLC and Automation** for the III year students, Department of Mechanical and Automation Engineering of **Sai Ram Engineering College, Chennai** (Contact mode).
- PDP on "**Analysis and Design of Structures using ETABS**" from 22.04.2024 to 26.04.2024 for students and faculty from Er. Perumal Manimekalai College of Engineering, Hosur (Contact mode).



Online PDP Courses – 54 Nos.

Contact Mode PDP Courses – 21 Nos.

## 7. Academic activities

- Declared as **Institution Deemed to be University** under Distinct Category under Section 3 of UGC Act 1956 vide MoE notification dt. 22.02.2024.
- **NITTTR OER of video repository** of all the online courses conducted from April 2022 to December 2023.
- **Cameras were installed in classrooms** to record the contact mode courses and for live streaming.
- Successfully registered and listed under **MeitY, Visvesvaraya PhD Cell for Electronics & IT, Digital India Corporation**.
- Registered in the **Study in India portal** launched by MoE regarding onboarding of HEIs and nominated a compliance officer for the institute.
- **Handbook for ITEC Trainees** with answers for the anticipated common questions of the trainees was prepared.
- Editorial Board has been reconstituted to revamp the **Institute Journal of Technical and Vocational Education**.



## 8. Participation of Faculty Members in National / International Events

- Dr. E. Balasubramanian, Associate Professor, DME served as Resource Speaker and addressed on **Drone Technology in TVET in Webinar conducted by CPSC, Manila, Phillippines.**
- Prof.Usha Natesan, Director, NITTTR, Chennai has been nominated by the MoE and attended 5-day **Academic Leadership Program under Malaviya Mission Teacher Training Programme** conducted by IIT Jammu from 15<sup>th</sup> to 19<sup>th</sup> March 2024.
- Eight of our faculty members have participated in the **Academic Leadership Program under Malaviya Mission Teacher Training Programme** conducted at various IITs and IIMs.



## 9. Conference/ Seminar/ Workshops Conducted

- International Seminar on “**Sustainable and Community Development through Rural Entrepreneurship**” at SA College of Arts and Science, Chennai
- **One Day Faculty Sensitization Workshop** was conducted on BIS Codal Provision in collaboration with the **Bureau of Indian Standards.**
- International Seminar on "**Evolving Trends in the Industry 4.0 era for Sustainable Development**" conducted in association with St. Joseph's College of Engineering, OMR, Chennai.
- International Seminar on "**Innovative Strategies in TVET and Entrepreneurship for Sustainable Development Goals Achievement**" conducted in association with Dhanalakshmi Srinivasan University Campus, Perambalur.



- International workshop titled "**Sukanya Samridhi Yojana's impact on empowering girl children & advancing key SDGs**" sponsored by ICSSR, Ministry of Education, Govt. of India.
- One day Workshop on "**Sound Healing for Well being**" as part of Diamond Jubilee Celebrations. Shri. Bala Senthil Kumar, Founder AHAM Sound Wellness Centre, Chennai conducted the Sound Healing sessions.



## 10. Webinars Conducted

- Webinar on **Learning through Mother Tongue** delivered by Shri. G. Olivannan, Author, Speaker, Publisher, Rotarian and Managing Director of Emerald Publishers on 21.02.2024 on the importance of mother tongue education as recommended by NEP 2020 on account of Matribhasha Diwas, the International Mother Language Day.
- Webinar on "**Self Awareness and Self Healing**" on the occasion of International Women's Day on 8th March 2024.
- International Webinar on "**Engineering Applications using LabVIEW** " through online mode on 15.03.2023. Speaker: Er. Rakesh Ksheerasagar, Sr. Application Engineer, VVDN Technologies.

## 11. Interaction with academic and industrial experts

- **Prof. Subir Kumar Saha, Professor, Mechanical Engineering, IIT Delhi** and Project Director of I-Hub Foundation for Cobotics (IHFC)-Technology Innovation Hub of IIT Delhi, delivered a session on "Robotics to Rural-Innovative Teaching and Research Approaches".
- **Mr. K.M. Srikanth, General Manager – Engineering & New Product Development-Super Premium, TVS Motors, Hosur**, presented a talk on "Future Trends of the Automobile Industry" and delivered the Valedictory address to participants.

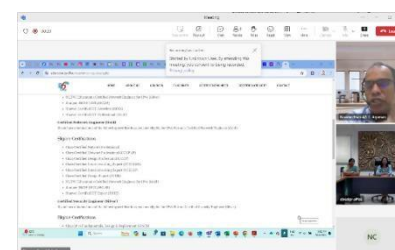




- **Mr. Rohit Batra, Vice President (Head) of Commercial Projects at IHFC** visited our institute and explored exciting possibilities for collaboration between these distinguished institutions.
- **Dr. Meenakshi Ganesan, Scientist G & Head of BIS Southern Regional Laboratory, and Smt. G Bhavani, Scientist E/Director & Head of BIS Chennai Branch Office** delivered addresses to the participants of the workshop on 'Faculty Sensitisation Programme'
- **Ms. Abhilasha Joshi, Additional Secretary [DPA-II & IV], Ministry of External Affairs, Govt. of India** visited NITTTR Chennai and interacted with the international participants of two ITEC courses.
- **Dr.G.Kannabiran, Director, NAAC** visited NITTTR Chennai and deliberated with our faculty members on **NAAC-DVV**.
- **Dr. K. Hemalatha, Founder Director of the Centre for Empowerment of Women, Anna University, Chennai** delivered inaugural address on one-day international workshop "Sukanya Samridhi Yojana's impact on empowering girl children and advancing key SDGs".
- **Prof. Dr. Raj P Dahiya, Former Vice Chancellor of 3 State Universities & Former Professor, IIT Delhi** delivered Valedictory address to the International participants of ITEC Programs on "Strengthening Technical and Vocational Education & Training (TVET) Systems to meet the Sustainable Development Goals (SDGs) of the United Nations" and "Sustainable Rural Development through Entrepreneurship and Innovation".
- **Mr. J. Santhanakrishnan, Chief Technical Officer, Tamil Nadu Cable TV Corporation, Chennai** delivered the Inaugural address to the International participants of four weeks ITEC Program on "Skill Development in Electronics for TVET Trainers and Planners".



- **Dr. Sangeeta Kaul, Director, DELNET-Developing Library Network, New Delhi** delivered Inaugural address to the International participants of 2 weeks ITEC Program on "Total Solution for Integrated Library System".
- **Dr. Mahesh Kalyanaraman, PhD, CISSP, CISA, CISM, Associate Vice President - Risk and Compliance, HCL Technologies Limited, Chennai, India** delivered Valedictory address to the International participants of ITEC Program on "Total Solution for Integrated Library System".
- **Dr. E. Iniya Nehru, Deputy Director General, Scientist G, HoG, Open Technology Group, National Informatics Centre, Chennai** delivered Valedictory address to the International participants of four weeks ITEC Program on "Skill Development in Electronics for TVET Trainers and Planners".
- On the occasion of International Women's Day on March 8, 2024, **Dr J A Chitra, Apollo Hospitals, Chennai** delivered a talk on "Women's Wellness and Awareness of Cancer Prevention" and shed light on key aspects of health, hygiene and cancer awareness among women.
- Interacted with **Dr. Navaneethan C. Arjuman, Senior Lecturer, Faculty of Computing and Informatics (FCI), Multimedia University, Persiaran Multimedia, Malaysia** for academic and research collaboration.
- **Principal Director & Head of CIPET Chennai** visited NITTTR Chennai on April 5, 2024 for exploring avenues for collaborative training programs and facility utilization.



## 12. Administrative Activities

Under Mission mode **Recruitment process**

- Re-Advertisement given for vacant **Associate Professors** viz.
  1. Mathematics (SC) - Scrutiny of applications for Mathematics discipline scheduled during May 2024
  2. Rural and Entrepreneurship Development (ST) - Readvertisement to be published as applications not received under advertised category.
- Scrutiny of applications by a Screening Committee has been completed for all the vacant posts of Professors and Selection Committee Meeting is to be scheduled after elections.
- Group-A Technical Officer (Computer Programmer) joined on 22.03.2024.
- Group-B Technical Asst. Gr.I - J.E.(Civil) joined on 06.03.2024.
- Four Multi-Tasking Staff joined during February-March 2024.
- Consultant (Accounts) joined on 29.04.2024.
- One Apprentice Trainee joined in Accounts Section.
- Registration has been completed in **Shram Suvidha Portal for contract workers**.
- Inhouse software developed for application and **approval of Leave, submission of APAR, raising of indents through Stores and Purchase division** and successfully implemented.
- Proposal submitted for implementation of Government eProcurement System of NIC (GePNIC) in **CPPP**.
- Three of our staff members attended **GeM training** at CECRI Karaikudi.
- Submitted Revised MoA for amendment for approval to Ministry of Education.

## 13. Celebration of Days and other activities as per Ministry's directives

- Installed **100 KW solar roof** on the building.
- NITTTR Chennai advocates for **awareness of new criminal laws**.
- The Ministry of Education launched a nationwide awareness campaign "**Mera pehla vote deshkeiliye**", to emphasize the importance of encouraging young voters to exercise their democratic right. NITTTR Chennai joins the movement.
- Dr.R.Santhakumar, Professor, DCEE is nominated as Nodal Officer for Probity Portal.

\*\*\*