
भारतीय प्रौद्योगिकी संस्थान जोधपुर
INDIAN INSTITUTE OF TECHNOLOGY
JODHPUR



अभिशासक मंडल
BOARD OF GOVERNORS

कार्यवृत्त
MINUTES
OF
11th SPECIAL
MEETING

18th December 2021 (Saturday)

11:00 A.M.

Board Room, IIT Jodhpur

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Indian Institute of Technology Jodhpur

Board of Governors



Minutes of 11th Special Meeting

18th December 2021 (Saturday), 11:00 A.M.

Board Room, IIT Jodhpur

The following Members were present:

Dr. R. Chidambaram, Former PSA to Govt. of India	Chairman
Prof. Santanu Chaudhury, Director, IIT Jodhpur	<i>Ex-officio</i> Member
Prof. N. S. Shekhawat, Former Professor, JNVU, Jodhpur	Member
Prof. Sampat Raj Vadera, Deputy Director, IIT Jodhpur	Member
Prof. Surajit Ghosh, Dean (R&D), IIT Jodhpur	Member
Prof. Akhil R. Garg, Professor, JNVU, Jodhpur	Member
Sh. P.C. Makwana, Director, Directorate of Technical Education, Jodhpur, GoR, Nominee of Govt. of Rajasthan representative	Member
Deputy Director, IIT Jodhpur	Special Invitee
Sh. P.G. Basak, Advisor (Admin.) & <i>Offg.</i> Registrar	Secretary
The following members were not present	
Sh. Rakesh Ranjan, Additional Secretary (TE), Ministry of Education,	Member
Sh. Anil Bhavarlal Jain, MD & CEO, Jain Irrigation, Jalgaon	Member

The following are the decisions of the *BoG* on the items of the Agenda:

S.No.	Items
S-11.1	WELCOME BY THE CHAIRMAN
	The Chairman, BoG, welcomed all the members of the Board of Governors, especially Sh. P.C. Makwana, Director, Directorate of Technical Education, Jodhpur, Govt. of Rajasthan, who was attending the meeting for the first time on behalf of the State Govt. Nominee. The Chairman, BoG, expressed that he is pleased to be in person in the BoG Meeting and 7 th Convocation of IIT Jodhpur after a long gap due to COVID restrictions. Then, the Chairman called the meeting in order.
S-11.1.1	Presentation by the two faculty members on their research work /accomplishments before the BoG.
	As per the decision of the BoG taken in its 24 th Meeting held on 5.12.2020, the following two Faculty Members of the Institute made presentation before the BoG about their research work:
	1. Dr. Saurabh Nene Dr. Saurabh Nene, Assistant Professor, Department of Metallurgical &

	<p>Materials Engineering, presented his research work titled "High Entropy Alloys: a new avenue in Materials Engineering" before the BoG. The Chairman, BoG, and members gave very constructive suggestions to Dr. Nene, especially to link the current efforts on HEA design with Machine learning and AI to accelerate the pace of the research work.</p> <p>2. Dr. Deepika Bhattu Dr. Deepika Bhattu, Assistant Professor, Department of Civil & Infrastructure Engineering, presented her research on "What is in Delhi's Air?" before the BoG. Dr. Bhattu presented and discussed the project on "Source apportionment, emission inventory and carrying capacity of Kota City" recently received from Rajasthan State Pollution Control Board (RSPCB). The Chairman, BoG, and members of the Board appreciated the same.</p> <p>The Chairman, BoG, and members gave suggestions to Dr. Bhattu to look at the possibility of getting involved in State-specific air pollution and human health-related problems such as identifying silicosis in stone cutting and bangle-making industries and ways for health improvement of the workers. Prof. Surajit Ghosh, Member, BoG, and Dean (R&D) apprised the BoG and Dr. Bhattu about the new project of Oil India in Barmer, Rajasthan, and suggested getting involved in the sustainability studies from the beginning of the project. It would be a better opportunity for research initiation and collection of primary data for further research.</p> <p>The Chairman, BoG, stated that Prof. Ghosh has made an excellent suggestion and advised Dr. Deepika to explore the possibility.</p> <p>Further, the Director asked Dr. Bhattu to explore the up-gradation/setting up a laboratory with state-of-the-art equipment for advanced research in air pollution in the Institute during the meeting. Dr. Bhattu apprised the BoG that it requires considerable investment to the tune of approximately 20 Crores, as most of the equipment is very costly.</p> <p>The Chairman, BoG, suggested Dr. Bhattu explore the I-STEM Web Portal, a National Portal that is the gateway for researchers to locate the specific facilities/equipment they need for their R&D work and identify the one located closest to them for her research requirement. Dr. Bhattu said she would explore the same.</p> <p>The Director also requested Dr. Bhattu to work out minimum fund requirements towards advancing research in air pollution at the Institute, and the Institute would explore arranging the same.</p> <p>The Chairman, BoG, and Members appreciated the presentations made by Dr. Nene and Dr. Bhattu.</p>
S-11.2	<p>INSTITUTE REPORT BY THE DIRECTOR</p> <p>The Director presented the Institute Report before the Board of Governors as below:</p> <p>At the outset, the Director briefed that after approval of the BoG, the</p>

Institute has instituted the Fellowship in remembrance of Prof. Meghnad Saha, a renowned astrophysicist and an advocate for science-based National development, to provide an option to young Ph.D.'s (belonging to SC /ST/ NCL-OBC/EWS categories) to have rich post-doctoral research and teaching experience at IIT Jodhpur.

The Director also apprised the BoG that the Institute is successfully running the M. Tech. Programs with Cognizant in Data and Computational Science and presently 120 engineers enrolled in the programs and the Programs well received by the Industry.

The Director also briefed that Institute has signed an Agreement with Wiley India Private Limited to jointly launch short term as well as long term duration programs in the following subject areas, and some of the courses may start from February 2022:

1. PG Diploma – Data Engineering, AR/VR, Bioinformatics and other areas agreed upon from time to time;
2. Online MBA and Management Certifications with a STEM focus; and
3. Short term professional certifications on Emerging Tech and 21st century skills.

It was also apprised to the BoG that IIT Jodhpur has recently signed an MoU with Agriculture University, Jodhpur, for academic collaboration, exchange of faculty, researchers, students, and developing joint academic programs.

Prof. Akhil Ranjan Garg, BoG Member, stated that only IIT Kharagpur offers B.Tech. in Agriculture, and IIT Jodhpur may also explore the same. The Chairman, BoG, suggested that at the beginning, Institute would explore to start with Elective Course and explore the academic collaboration as per mutually agreed terms of the MoU signed with the Agriculture University, Jodhpur. The BoG appreciated the initiative of the Institute.

Later, the Director apprised that the number of Academic Programs of IIT Jodhpur reached **66** (+1 proposed) from 21 Academic Programs in AY 2018-19 and new programs, *i.e.*, (i) 3 years M.Tech. (ii) M.Tech. Executive DCS and (iii) Doctoral Program in Artificial Intelligence and Data Science from AY 2021-22. The Program-wise Student strength in AY 2021-22 of **3227** and after including 28 preparatory students of other Institutes, the total student strength would reach 3255.

The BoG was also briefed that faculty strength reached **204** compared to 174 in March 2021, including Professor, Associate Professor, Assistant Professor, Visiting Professor, Professor of Practice, Professor on deputation, Young Faculty Associates, and Offered.

The Director apprised that the Institute achieved the ideal pyramidal faculty model due to the flexible cadre system of IITs.

R&D Achievements

The Director apprised that doctors and engineers from the All India Institute of Medical Sciences (AIIMS) Jodhpur and the Indian Institute of Technology (IIT) Jodhpur have developed low-cost '**Talking Gloves**' and the Patent has also been granted for this innovation. This device uses the principles of Artificial Intelligence (AI) and Machine Learning (ML) to generate speech. It would be helpful for persons with a speech disability to convert hand gestures into texts or pre-recorded voices and communicate independently.

The Department wise progress of R&D projects was also apprised to the BoG. The fund Analysis regarding funds released in FY 2020-21, Budget allocation by MoE in FY 2021-22, and proposed Revised Estimate for FY 2021-22 was also briefed to the BoG.

Faculty Laurels

The Director further apprised the BoG about the Faculty Laurels as below:

1. Prof. Mayank Vatsa, Department of CS&E and AIDE School, IIT Jodhpur, has been elected as "IEEE Fellow" for contributions to secure biometric recognition
2. Prof. Mitali Mukerji, Deptt. of BB, has been elected as Fellow of The National Academy of Sciences, India (NASI)
3. Dr. Rakesh K. Sharma, Associate Professor, Department of Chemistry, IIT Jodhpur, has been elected as "Fellow of the Royal Society of Chemistry, London".
4. Dr. Mahesh Kumar, Associate Professor, Department of EE, IIT Jodhpur, has been elected as "Fellow of the Royal Society of Chemistry, London".

7th Convocation Invitation

The Director briefed the BoG that IIT Jodhpur is organizing its 7th Convocation on 19 December 2021. Dr. Rajesh S. Gokhale, Secretary, Department of Biotechnology, Ministry of Science and Technology, Govt. of India, will be the Chief Guest for the Convocation Ceremony and deliver his Convocation Address. Dr. R. Chidambaram, Chairman, Board of Governors, IIT Jodhpur, will preside over the ceremony. The Hon'ble Minister of Education, Govt. of India will address through video message.

Appreciation by the Chairman and Members, BoG

The Chairman and Members of the Board of Governors are pleased to record their deep sense of appreciation for the commendable efforts put in by Prof. Santanu Chaudhury, Director, and all the faculty members for the development and growth of IIT Jodhpur during the past three years. They lauded with pleasure the progress made by the Institute in terms of quantum jump in the number of enrolled students, faculty strength, and the number of projects during this period.

Further, the Chairman and Members of the Board of Governors praised Prof. Chaudhury and his team for their success in bringing and initiating many new megaprojects of national importance viz. (i) Technology Innovation Hub under DST's National Mission of Cyber-physical Systems; (ii) Jodhpur City Knowledge and Innovation Cluster as one of six S&T Clusters in the country

under the aegis of the office of PSA, Government of India on the recommendation of Prime Minister's Science, Technology and Innovation Advisory Council (PM-STIAC); (iii) First BioNEST Program of Rajasthan supported by DBT-BIRAC; and several other research and consultancy projects. Yet another noteworthy feature was a jump of 10 places in one year by the Institute in the NIRF ranking.

The Chairman, Board of Governors, in his remarks, said that such efforts would help improve the overall vibrancy of the ecosystem and enhance the Institute's visibility at regional, national, and global levels.

The Board of Governors appreciated the detailed Institute report presented by the Director and appreciated the progress achieved by the Institute.

S-11.3.1 To approve:

- (i) Conferment of Degrees to the B.Tech., M.Sc., M.Tech., Ph.D. students after completing all the academic requirements and certificate of Specialization to graduating B.Tech. students of the Institute who would also be getting specialization certificate during the session 2020 – 2021; and**
- (ii) Award of Medals to the Students during the 7th Convocation of the Institute.**

The Director presented the item and apprised the BoG that the Senate in its 27th Meeting held on 09 November 2021 recommended to Confer the Degrees/Certificates to total **404** students during the 7th Convocation of the Institute to be held on 19 December 2021. He further presented a program wise summary of the graduating students as below:

S.No.	Name of Program	Number of Students Graduating
1.	B.Tech.	180
2.	M.Sc.	67
3.	M.Tech.	130
4.	Ph.D	27
	Total	404

It was also apprised to the BoG that **59** graduating B.Tech. Students of the Institute would also get Certificates in Minor/Specialization in Entrepreneurship, Management, Artificial Intelligence, Design, Engineering Innovation, Thermofluids Engineering, and VLSI.

The Director also briefed the BoG that the Chairman, Senate approved the recommendations of the Scholarship and Prizes Committee to award the various Medals to the meritorious students in the 7th Convocation of the Institute, as presented in the Agenda.

The Board of Governors noted and approved the recommendations of the Senate on conferment of Degrees /Certificates to the Students during the 7th Convocation of the Institute to be held on 19 December 2021.

S-11.3.2	<p>To consider and approve the Recommendations of the 27th Meeting of the Senate held 09 November 2021 at IIT Jodhpur</p> <p>The Director briefed the BoG about the various recommendations of the 27th Senate meeting held on 09.11.2021. The Board noted and approved the recommendations of the Senate.</p>
S-11.3.3	<p>The Outcome of Review Committees of the Faculty Members.</p> <p>The recommendations of the Annual Appraisal Committee/Assessment Committees on the Annual Performance Review of Faculty Members of the Institute were presented before the BoG. The BoG approved the recommendations of the Review Committees.</p> <p>The Board also discussed the recommendation of the Review Committee towards the discontinuation of the services of Dr. Gaurav Kumar, Assistant Professor, School of Management & Entrepreneurship (SME), and approved the same.</p>
S-11.4	<p>Any other item with the prior permission of the Chairman.</p>
S-11.4.1	<p>Child Care Leave for employees of the Institute.</p> <p>The Director apprised the BoG that Child Care Leave (CCL) has been envisaged in the Para 29 of the Schedule E of the Statute 20 (2) of the Statutes of IIT Jodhpur that CCL is "Admissible to women employees as per Government of India rules."</p> <p>The Director further apprised that being an educational institution and for smooth academic activities, the Institute has framed the guidelines to regulate the grant of Child Care Leave to the women employees/ single parent of the Institute. Prof. Akhil Ranjan Garg, Member, BoG, observed that the Point No.10 of the said guidelines may be framed as under:</p> <p><i>"The child's medical needs will be accorded Priority I, and the child's academic needs will be accorded Priority II."</i></p> <p>The Board approved the suggestion of Prof. Garg for better clarity in the Guidelines and approved the same.</p>
S-11.4.2	<p>Senate Nominee on the Board of Governors as per Section 11 (e) o the Institutes of Technology Act 1961.</p> <p>The Director briefed the Board of Governors that as per the Section 11 (e) of the Institutes of Technology Act 1961 (amended from time to time), the Board of Governors shall consist of two Professors of the Institute, to be nominated by the Senate on the Board of Governors and term of office shall be two years from the 1st Day of January of the year in which he is nominated.</p> <p>He further briefed the BoG that an agenda item was placed before the Senate in its 28th meeting held on 17 December 2021, and the Senate recommended the following:</p>

	<p>"After detailed discussion, the Senate recommended that out of two Professors be nominated to the BoG, as Senate nominees, one senior-most Professor may be nominated for one term, and the Chairman, Senate may nominate another professor keeping in view gender parity."</p> <p>The Board noted and approved the recommendations of the Senate.</p>
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The Meeting ended with thanks to the Chair and all members of the Board of Governors.

*Sd/-
Offg. Registrar & Secretary, BoG*

*Sd/-
Director, IIT Jodhpur*

Approved

*Sd/-
Chairman, Board of Governors, IIT Jodhpur*