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Indian Institute of Technology Jodhpur  
**Board of Governors**

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**Minutes of  
10<sup>th</sup> Special Meeting**

16 December 2019 (Monday)

4:00 P.M.

Board Room, IIT Jodhpur



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# Indian Institute of Technology Jodhpur

## Board of Governors



Minutes of 10<sup>th</sup> Special Meeting  
16 December 2019 (Monday), 04:00 P.M.  
Board Room, IIT Jodhpur

The following Members attended the meeting:

1. Dr. R. Chidambaram, Former PSA to GoI Chairman
2. Prof. Santanu Chaudhury, Director, IIT Jodhpur Director & Member  
(*Ex-officio*)
3. Dr. Rakesh Sarwal, Additional Secretary (TE), MHRD Member  
(*Attended through Video-Conferencing*)
4. Prof. Akhil R. Garg, Professor, JNVU, Jodhpur Member
5. Prof. Sampat Raj Vadera,  
Professor, Department of Physics, IIT Jodhpur Member
6. Prof. Surajit Ghosh, Professor,  
Department of Bioscience & Bioengineering, IIT Jodhpur Member
7. Sh. P.G. Basak, Advisor (Admn.) & *Offg.* Registrar Secretary

The following members were unable to attend the meeting:

1. Sh. Anil Bhavarlal Jain, MD & CEO, Jain Irrigation, Jalgaon Member
2. Prof. N. S. Shekhawat, Former Professor, JNVU, Jodhpur Member  
(granted leave of absence)

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

S.No.	Items
<b>S10.1</b>	<b>WELCOME BY THE CHAIRMAN</b> The Chairman welcomed all the Members of the Board of Governors especially Dr. Rakesh Sarwal, Additional Secretary (TE), MHRD, who was attending the meeting for the first time. Dr. Sarwal attended the meeting through Video-conferencing. After that, Chairman, BoG called the meeting in Order.
<b>S-10.2</b>	<b>INSTITUTE REPORT BY THE DIRECTOR</b> The Director presented a detailed report of the Institute before the Board ( <i>through Power-Point Presentation</i> ) outlined in Four Verticals (a) Present Academic Programs (b) Program wise Student Strength (c) Faculty Strength (d) Research & Development and progress since last Board meeting.  The Board was apprised that the Institute currently offering <b>44</b> Academic Programs and current Student strength of <b>1444</b> .  Further, the Director also apprised the Board that the Faculty strength reached to <b>126</b> ( <i>including Professor, Associate Professor, Assistant Professor, Visiting Professor, Young Faculty Associate and offered faculty positions</i> ) owing to rigorous faculty recruitment drive by the Institute. The Research & Development Projects ( <i>including Sponsored, Consultancy and Research Award</i> ) reached to <b>88</b> as on 16 December 2019 and also Department-wise Project Status, Category wise on-going Projects and status of patents filed by the Institute.

Later, the Director briefed the Board about new Academic Programs approved by the Senate as below:

**(A) New UG and PG programmes in**

- *Civil and Infrastructure Engineering*
- *Chemical Engineering; and*
- *Materials Engineering.*

**(B) Master in Business Administration**

**(C) M.Sc Programme in Digital Humanities (to be run by IDR)**

**(D) Joint Masters and Ph.D. in Medical Technology with AIIMS Jodhpur**

**(E) Capability linked double degree programme**

- *B.Tech in Engineering Science & B.Tech in (specialisation)*

**(F) Joint Master and Ph.d Program with AIIMS Jodhpur**

- *Initiation of Joint Degree Programs IIT J & AIIMS J*
- *Masters in Medical Technology*
- *Ph.D in Medical Technology*
- *Rules and guidelines to be tailored to meet specific requirement of the programmes*
- *Smart Healthcare IDR will manage this programme*

**(G) A New M.Sc Programme in Digital Humanities**

**(H) New Research Highlights:**

- *Highly sensitive device/sensor to detect cadmium, lead and hydrogen;*
- *Catalytic converter for automobiles using Rajasthan clay;*
- *Filter for drinking water treatment and its use for chemical free agriculture;*
- *Development of therapeutic leads, markers for Neurodegenerative disease and brain cancer as well as discovering fundamental insights of disease*

**(I) New Centers to support Research:**

- *Centre for Technology Foresight and Policy*  
*To work on also strategic plan of the institute*
- *Centre for Emerging Technologies for Sustainable Development.*  
*Focus on water, agriculture, health, food*

**(J) Innovation and Incubation:**

- *IIT Jodhpur has been recognized as Host Institute; and*
- *IITJ- Technology Innovation and Startup Centre (TISC) has been approved for financial support by*
  - *Ministry of MSME; and*
  - *Ministry of Electronics and Information Technology for incubation purpose*
  - *12 projects recommended.*

**(K) Outreach Activities:** The Director further apprised the BoG about the Outreach Activities undertaken by the Institute under **Unnat Bharat Abhiyan (UBA)** and latest developments and achievement under Sirohi Projects.

**(L) International Relations:**

- **The Office of International Relations is established**  
*Agreement signed with Nara University, Japan*  
*Agreement likely to be signed with KMU, Taiwan, and UT Troyes, France.*
- **Initiative regarding Admission of International Students**  
*Various Government of India schemes*  
*ASEAN fellowships, Study in India, IntApp initiative, ICCR, sponsored PhD programs, etc.*

- **Active participation of Faculty members in joint research schemes**  
*Shastri Indo-Canadian Institute, ASEM-DUO, GIAN, SPARC*  
*The Institute is planning to engage actively with foreign universities by student and faculty exchange, joint research projects, workshops, symposia, conferences etc.*

**Later the Director briefed the Board of Governors about the Action Taken by the Institute on the recommendations of the IIT Council:**

Action Taken on the recommendation of the IIT Council taken in its **52<sup>nd</sup> meeting held on 20 August 2018** as under:

**(A) International Student Admission**

- *IITJ part of ASEAN Scheme- Two offers made in December*
- *IITJ Actively involved in Study in India Programme*
- *IITJ Planning to develop a hostel block with improved facility*
- *Working for offering online programmes - in discussion with Courseera*

**(B) Extension activities for improving Engineering Education**

- *Identified 4 Engineering Colleges for mentoring -we allowed free registration for students in our workshops*
- *Started Part-time PG programmes which can be used by teachers of Engineering college teachers*

**(C) Linking with National Laboratories**

- *MoU with CSIR concluded*
- *MoU's with DLJ, Jodhpur and IARI, Pusa in pipeline*

**(D) ERP**

- *Team is visiting IIT Kharagpur to finalize the process*
- *Considering signing of MoU with IITKGP.*

Action Taken on the recommendation of the IIT Council taken in its **53<sup>rd</sup> meeting held on 27 September 2019** as under:

**(A) Entrepreneurship Development**

- *Entrepreneurship minor and Dual degree Programme for B.Tech*
- *Innovation Support through Institute Innovation Council*

**Tinkering Lab**

- *Translation and Incubation Support to Ph.D's*
- *TISC now recognized by MSME & MEITY*

**12 product proposals recommended to the apex committee of MSME for possible support**

**(B) Alignment with Future Engineering Needs**

- *Academic Programmes in frontier areas - AI, CPS, IOT, Smart Manufacturing running*
- *B.Tech in AI & DS to be started in the next academic session*
- *B.Tech & M.tech curriculum revised in line with emerging trends*

**Machine Learning, IOT, CPS oriented courses at core and elective level**

**(C) Dealing with Weak Students**

*Three year BSc. In Engineering Science is planned*

**(D) Research Productivity of Faculty**

*Is being monitored annually through appraisal and advisories provided*

**(E) Review of Concessions (report to be submitted)**

*Consultation process is on*

**(F) IIT Alumni Centre at Bangalore**

*IIT Jodhpur has contributed Rs.25 Lakhs as its first installment.*

**(G) Encouraging Alumni Funding**

*Ministry should encourage Pan-IIT alumni to consider new IIT's also for possible support expanding the culture of philanthropic donations*

<p><b>(H) Peer Review</b>  <i>Expert List is being prepared</i>  <i>Initiated course-file repository for required documentation</i></p> <p>Subsequently, the Chairman, BoG discussed the initiatives and success story of Jaipur Foot founded by Sh. D. R. Mehta, Padma Bhushan functioning under Bhagwan Mahaveer Viklang Sahayata Samiti (BMVSS) which provides prosthetics or artificial limbs, calipers and other physical aids and appliances, free of charge, to as many disabled people as possible through its centres, outreach programmes and rehabilitation camps, both in India and abroad. The Director was also apprised that Sh. D.R. Mehta was a former Member, Board of Governors, IIT Jodhpur in the capacity of Council Nominee on the Board of Governors.</p> <p>The Director stated that Institute would invite him to discuss the further prospects of association between the Institute and Jaipur Foot. Also, Institute would request him for a lecture at the Institute.</p> <p>The Board of Governors appreciated the detailed Institute Report presented by the Director especially progress made by the Institute since last meeting of the BOG and placed on record the appreciation for the various initiatives taken by the Director in various facets of functioning.</p>
<p><b>Interaction with Dr. Rakesh Sarwal, Member, BoG and Additional Secretary (TE), MHRD</b></p>
<p>Dr. Rakesh Sarwal, Additional Secretary (TE), MHRD participated through Video-Conferencing. Dr. Sarwal requested the Director to share any issue related to the MHRD which required to be discussed. The Director apprised that presently the student strength is <b>1444</b> and strength would reach to <b>2500</b> students by 2020-21 as per projection. To accommodate 2500 students, Institute would require additional space and requisite infrastructure and Institute should plan strategically well in advance for the same. He further shared with Dr. Sarwal that Institute would require an additional HEFA loan for expansion of infrastructure building to accommodate 2500 student strength. And further clarified that at this time, we required pre-approval for planning for another HEFA Loan.</p> <p>Also, the Director apprised and expressed his concern about the fund position of the Institute under the Salary and Recurring Head which are currently under minus. And requested Dr. Sarwal to intervene on the matter. AS (TE) said that other IITs also requesting for same and MHRD looking into the matter.</p> <p>After detailed deliberation on the matter, Dr. Sarwal agreed in-principle to go ahead to planning but said the final proposal should be routed through Finance Committee and then approved by the Board of Governors.</p> <p>Later, Dr. Sarwal sought permission of the Chair to discuss issues other than Agenda of the Meeting. The Chairman, BoG welcomed Dr. Sarwal to share his inputs. He requested the Director to share his views over NIRF Ranking of the IIT Jodhpur and slow pace of construction work.</p> <p>The Director apprised the BoG that one of the major factor of low Ranking of the Institute was less Student-faculty Ratio which was affecting the Academics, R&amp;D and overall parameters of the Institute. He further apprised Dr. Sarwal and the BoG that now Institute significantly improved its Student-Faculty Ratio (<i>faculty strength reached to 126</i>), R&amp;D initiatives, Curriculum re-structuring and same would help the Institute to improve its Ranking in the ensuring years.</p> <p>On the matter of slow pace construction work, the Director apprised the BoG that the bottleneck behind are the Contractor(s) as they are not delivering as per expectations. The Director further apprised the BoG that Institute held several meetings with CPWD and Contractors to solve the issues which causing delay.</p>

<b>S-10.3.1</b>	<p><b>To approve:</b></p> <p><b>(i) Conferment of Degrees to the B.Tech., M.Tech., M.Sc. and Ph.D Students after completing all the academic requirements during the session 2018 - 2019, and</b></p> <p><b>(ii) Award of Medals to the Students during the 5<sup>th</sup> Convocation of the Institute.</b></p>																		
	<p>The Director presented the item and apprised the BoG that the Senate of the Institute in its 18<sup>th</sup> and 19<sup>th</sup> Meeting recommended to Confer the Degrees to total <b>224</b> students during the 5<sup>th</sup> Convocation of the Institute to be held on 17<sup>th</sup> December 2019. He further presented program wise summary of the graduating students as below:</p> <table border="1" data-bbox="408 450 1206 685"> <thead> <tr> <th>S.No.</th> <th>Name of Program</th> <th>Number of Students Graduating</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>B.Tech.</td> <td>121</td> </tr> <tr> <td>2.</td> <td>M.Sc.</td> <td>45</td> </tr> <tr> <td>3.</td> <td>M.Tech.</td> <td>30</td> </tr> <tr> <td>4.</td> <td>Ph.D</td> <td>28</td> </tr> <tr> <td></td> <td><b>Total</b></td> <td><b>224</b></td> </tr> </tbody> </table> <p>The Director also apprised the BoG that the Chairman, Senate approved the recommendations of the Scholarships and Prizes Committee to award the various Medals to the meritorious students in the 5<sup>th</sup> Convocation of the Institute.</p> <p>The Board of Governors approved the recommendation of the Senate.</p>	S.No.	Name of Program	Number of Students Graduating	1.	B.Tech.	121	2.	M.Sc.	45	3.	M.Tech.	30	4.	Ph.D	28		<b>Total</b>	<b>224</b>
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1.	B.Tech.	121																	
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	<b>Total</b>	<b>224</b>																	
<b>S-10.3.2</b>	<p><b>To consider and approve the recommendations of the 19<sup>th</sup> Meeting of the Senate held 09 December 2019.</b></p>																		
	<p>The Minutes of the 19<sup>th</sup> Meeting of the Senate was placed on the table during the meeting. After detailed discussions, the Board approved the following recommendations of the Senate:</p> <ol style="list-style-type: none"> <li>(1) Creation of New Academic Entities       <ol style="list-style-type: none"> <li>a. School of Management and Entrepreneurship</li> <li>b. Centre for Technology Foresight and Policy</li> <li>c. Centre for Emerging Technologies for Sustainable Development</li> </ol> </li> <li>(2) Proposal for Starting of MBA Programme</li> <li>(3) Proposal of New B.Tech programmes to be started from AY 2020 Semester I</li> <li>(4) Capability linked Double B.Tech. with a second Degree in Engineering Science</li> <li>(5) Proposed Intake for UG programs AY 2020 Semester I</li> <li>(6) Proposal for New PG Programs and Intake to be started from AY 2020-21</li> <li>(7) Joint Ph.D./ Joint Academic Programmes with Foreign/Other Universities</li> <li>(8) Certificates courses and Diploma offered by IITJ</li> <li>(9) Change in Thesis Submission Policy for Old Ph.D. student's registered before July 2019</li> <li>(10) Change in the attendance policy for batches undergoing transition plan</li> <li>(11) Approval of Convocation date 17 December 2019</li> <li>(12) Recommendation for the Award of Ph.D. Degree to 5 Ph.D. Students, 2 M.Sc. Students and 2 M.Tech. Students</li> <li>(13) Proposal for Joint Programme for Ph.D. in Medical Technologies and Joint programme for Masters and Ph.D. in Medical Technologies between IIT Jodhpur and AIIMS Jodhpur</li> <li>(14) Intellectual Property Right (IPR) Policy of IIT Jodhpur</li> </ol> <p>Further, the Chairman shared that Degree format of IIT Jodhpur required to be changed from two-sided to one side format as per practice of older IITs. It would further reduce the time consumed on taking signatures from concerned. The Director said that the revised norms for Degree format would be prepared and placed before the Senate and recommendation of the Senate would be placed before the BoG.</p> <p>The Director further apprised the Board of Governors that Industries demanding for Certificate/Diploma courses from IITs which could be specific in the tune of Industry need and cater the requirement of the Industries. In order meet the</p>																		

	<p>requirements of the Industries, IIT Jodhpur planning to start Certificate courses and Diploma course of 128 Credit.</p> <p>The Board appreciated the initiatives and desired that both the proposals should be placed before the Senate and then to the BoG for its approval.</p>
<b>S-10.3.3</b>	<b>To consider and approve proposed panel of experts for conducting Selection Committees for faculty in the proposed School of Management &amp; Entrepreneurship.</b>
	<p>The Director presented the item and apprised that the <i>Board of Governors</i> in its <i>21<sup>st</sup> Meeting</i> held on 22 October 2019 had in principle approved the initiative towards exploring creation of School of Management and Entrepreneurship in IIT Jodhpur. He further apprised that to start the process of setting up of the School of Management and Entrepreneurship, Institute needs to hold Selection Committee for the recruitment of the Faculty Members to set up the School completely and the Institute prepared a panel of experts. After in-length discussion, the Board of Governors approved the panel for conducting Selection Committees for faculty positions in the School of Management and Entrepreneurship, as tabled during the Meeting.</p>

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