

## भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान मोहाली

## (शिक्षा मंत्रालय, भारत सरकार द्वारा स्थापित)

सैक्टर-81,नाँलेजिसटी, पो. ओ. मनौली, एस. ए .एस. नगर, मोहाली,पंजाब - 140306 INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH MOHALI

(Estd. By Ministry of Education, Govt. of India)

Sector – 81, Knowledge City, P.O. Manauli, S.A.S. Nagar, Mohali, Punjab -140 306

Minutes for the 44<sup>th</sup> meeting of the Board of Governors of IISER Mohali held on June 22, 2021 at 3.30 P.M. by Video Conference.

The following members were present in the meeting:

1	Prof. Ajay Sood, Chairperson, BoG, IISER Mohali and BoG, IISER Bhopal	Chairperson
2	Prof. Govindan Rangarajan, Director, IISc Bangalore	Member
3	Dr. Jatinder Kaur Arora, Executive Director, PSCST (Nominee of the Chief Secretary, Govt. of Punjab)	Member
4	Dr. Madhu Dikshit, National Professor, (Former Director, CSIR-Central Drug Research Institute), Translational Health Science & Technology Institute Faridabad	Member
5	Sh. Sanjeev Chawla, Director, Autonomous Bodies Division, O/O Development Commissioner, MSME on behalf of the Secretary, MSME	Member
6	Sh. Pradeep Kumar Panday, Deputy Secretary, MoE On behalf of the Additional Secretary (TE), Ministry of Education	Member
7	Sh. Udaya Kiran K.V., Under Secretary (Finance), MoE on behalf of the Joint Secretary & Financial Adviser, MoE	Member
8	Prof. J. Gowrishankar, Director, IISER Mohali	Member
9	Prof. Sanjay Mandal, Professor Department of Chemical Sciences, IISER Mohali (Senate Nominee)	Member
10	Prof. Chanchal Kumar, Professor Department of Mathematical Sciences, IISER Mohali (Senate Nominee)	Member
11	Prof. Sudeshna Sinha, Deputy Director, IISER Mohali	Special Invitee
12	Prof. Jagdeep Singh, Registrar, IISER Mohali	Secretary

The Secretary, Department of Biotechnology, Govt. of India could not attend the meeting due to prior commitments.

Item No.	Agenda	
B.O.G.21.44.01	Welcome Remarks by the Director and Director's Report	
B.O.G.21.44.01	The following is the Director's report to the Board that briefly records the Instit significant activities during the period after the 43 <sup>rd</sup> BoG meeting that was held on 30 M 2021.  As was the case in the entire country, the Institute was also seriously affected by sweeping second wave of the COVID-19 pandemic during April-May 2021. Many stuc residing in the hostels as well as faculty, staff and families were rendered ill by the virus, unfortunately one PhD student succumbed to a cardiac arrest following the infection. Institute encouraged all students to leave the campus, and closed all research activities four weeks until 30 May. For the students who remained on campus (around 500), Institute has arranged quarantine/isolation facilities for those requiring it in the Visi Hostel, with arrangements for regular tele-consultations with doctors. Two vaccination can have also been organized in the campus in April and June, respectively.  Despite the difficulties above, the Institute has completed the entire online tead (including final year projects) and evaluation for the academic year for all students other the first year batch, for whom the second semester courses are being conducted online will be completed in August. The Convocation 2021 is to be held on 28 June. Since majority of our students, faculty and staff have already received at least one vaccination of there is a cautious optimism to have in-person teaching from the forthcoming semester (a month delayed, from September), subject to the orders of the Central and Governments.	
	It is a pleasure to inform the Board that  (i) The Institute has been selected, from amongst a large number of applicants, by the Govt. of India in April 2021 to participate in the pilot initiative of the GATI (Gender Advancement for Transforming Institutions) programme;  (ii) A current BS-MS student Naman Gupta is author of a text book published in May 2021 on Category theory titled "Categories and Toposes: Visualized and Explained";	
	<ul> <li>(iii) A startup company called Scope set up by three current BS-MS students and located at the Institute's Technology Business Incubator (TBI) has won a Rs. 15 lakh grant in the competition Ventura'21; and</li> <li>(iv) A paper titled "Temperature-dependent maximization of work and efficiency in a degeneracy-assisted quantum Stirling heat engine" has been published in Physical Review E in June from the Institute, with just a PhD student Chandan Kumar as Corresponding Author and three other BS-MS students as co-authors. In this work, theoretical analysis has been performed on the Quantum Sterling Engine heat cycle to reveal new regimes in which this engine can function most optimally.</li> </ul>	
	Comments of Bureau, MoE: No comments.	
	The Director informed that on the present occasion he was not making a presentation to the BOG in the interest of time. His report included in the Agenda was meant to highlight some of the good achievements by the students.  He further mentioned that the Tenth Convocation of the Institute is to be held in virtual online mode on Monday 28 June 2021, and invited all BOG members to kindly participate in the ceremonies. The Director also requested the MoE bureau to kindly arrange to expedite the nominations to two vacancies in the BoG: of an IIT Director,	

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B.O.G.21.44.02	Opening Remarks by the Chairperson.		
	The Chairperson welcomed all the members to 44 <sup>th</sup> meeting of the BoG. He appreciated the efforts of the Institute to carry out uninterrupted academic and research activities during unusual time of second wave of Covid-19.		
B.O.G.21.44.03	Confirmation held on Marcl	of Draft Minutes of the 43 <sup>rd</sup> Meeting of the 30, 2021	he BOG, IISER Mohali
		of the 43 <sup>rd</sup> Meeting of the BoG held comments were received till 25.04.2021.	on 30.03.2021 have been
	For confirmation	on please.	
	(Annexure-I: P	Page Nos:22-66 of the Agenda)	
	Comments of Mohali may be	<b>Bureau, MoE</b> : The minutes of the 43 <sup>rd</sup> n confirmed.	neeting of the BOG, IISER
Decision	Confirmed wit	th no change.	
B.O.G.21.44.04	Action taken on March 30,	report on the draft minutes of the 43 <sup>rd</sup> Mo 2021	eeting of the BOG held
	the 43 <sup>rd</sup> meeting	ken Report on the items requiring follow-up g of the BoG held on March 30, 2021 is as of the Board of Governors.	o action on the decisions of follows, and placed for the
	Item No.	Item name	Action taken
	B.O.G.21.43.01	Welcome Remarks by the Director and Director's Report	-
	B.O.G.21.43.02	Opening Remarks by the Chairperson.	_
	B.O.G.21.43.03	Confirmation of Draft Minutes of the 42 <sup>nd</sup> Meeting of the BOG, IISER Mohali held on December 21, 2020	Confirmed.
	B.O.G.21.43.04	Action taken report on the draft minutes of the 42 <sup>nd</sup> Meeting of the BOG held on December 21, 2020	Noted.
	For Consideration a	and Approval:	
	B.O.G.21.43.05	Item arising from the Special Meeting of the Finance Committee held on 18.02.2021.	
	SP. F.C.21.01.03	Release of amount to CPWD for payment of arbitration award towards construction of Hostels in 2014: Approved.	Amount released to CPWD.
	B.O.G.21.43.06	Items arising from the 44 <sup>th</sup> Senate meeting held on 06.01.2021	
	Senate 21.44.05	Students fulfilling the requirements for Award of BS Degree: Approved.	Notification issued. Degrees will be awarded in forthcoming Convocation.
			Further, as desired by the Chairperson, BoG that a brief information about the student's department, supervisor, etc. be added, the same has been implemented in the agenda items of this BoG.
	Senate 21.44.07	Students fulfilling the requirements for Award of PhD Degree: Approved.	Notification issued. Degrees will be awarded in forthcoming Convocation.

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	B.O.G.21.43.07	Approval for appointments through advertisement of some non-teaching staff positions on contract.  Approved.	Advertisement has been issued for 28 non-teaching/technical positions.	
	B.O.G.21.43.08	Matter pertaining to the joining of Dr. Ishan Agarwal as Assistant Professor:	The decision of the BoG was conveyed to Dr. Ishan Agarwal.	
	B.O.G.21.43.09	Sabbatical Leave to faculty members at IISER Mohali: Approved.	Implemented.	
	B.O.G.21.43.10	Regularization of upgradation of various non-faculty positions:  MACP was approved for those who do not cover under NIT RRs.	Put up as an agenda item No.21.44.12. Further process for recovery of excess amount paid to them owing to grant of undue financial upgradation will be implemented after approval and grant of MACP.	
	B.O.G.21.43.11	MoU between IISER Mohali and CPWD for construction of two new Hostels at IISER Mohali: Approved.	Draft MoU sent to CPWD for further necessary action.	
	Reporting:			
	B.O.G.21.43.12	New joining of faculty members at IISER Mohali:	Noted.	
	B.O.G.21.43.13	Matters pertaining to reducing the expenditure on outsourced staff:	Noted.	
	B.O.G.21.43.14	Selection for the post of Deputy Registrar (F&A)	Noted.	
	B.O.G.21.43.15	Appointment of Chief Executive Officer, TBI at IISER Mohali	Noted.	
	B.O.G.21.43.16	Placement of Prof. Jasjeet Singh Bagla in Pay Level 15 (HAG scale)	Noted.	
	B.O.G.21.43.17	Reconstitution of committee regarding alleged anomalies in the appointment of Prof. Arvind in IISER Mohali	Noted.	
	B.O.G.21.43.18 B.O.G.21.43.18 (i)	Any other item with the permission of the Chair:  Nominees of the Board of Governors to the Finance Committee of IISER Mohali: Approved.	Notification issued.	
	B.O.G.21.43.18 (ii)	Payment/reimbursement of COVID-19 vaccination charges to the students:	Notification issued.	
	Supplementary Ager			
	B.O.G.21.43.19	Draft Minutes of the 13 <sup>th</sup> meeting of the Building and Works Committee of IISER Mohali held on 01.02.2021 at 11.00 A.M. Approved.	-	
		<b>Bureau, MoE</b> : The action taken report on the the BOG may be noted.	ne recommendations of the	
Decision	Noted. With regard to agenda item No.B.O.G.21.43.10, the Director informed that the report of Department Screening Committee, constituted to examine the eligibility of the employees for MACP, is awaited.			
For Considerat	tion and Approv	al:		
B.O.G.21.44.05	Item arising from the 36 <sup>th</sup> meeting of the Finance Committee held on 22.06.2021.			
F.C.21.36.07	<b>Doctoral Fellow</b>	ure and fellowship for Int. Ph.D and Ph.D s s due to COVID-19:		
		the Director's Report, the second wave of C ly State of Punjab, in March 2021. Many fac		

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	infected with the novel Coronavirus. In order to prevent its spread, the Institute decided to suspend the research activity based on the guidelines of State/District administration. Since the research activities of the students and postdoctoral fellows were severely affected because of suspension/closure of lab, it is proposed that the tenure and fellowship of Int. PhD and PhD students may be extended for 3 months. Similar extension of 3 months in the tenure of the Post Doctoral Fellows of the Institute along with fellowship may also be approved. It is pertinent to mention that the BoG in its 40 <sup>th</sup> meeting held on 18.08.2020, had approved similar measures to increase the tenure with fellowship of students and Post Doc Fellows who were affected by the lockdown during March–August 2020.
	On the recommendations of the Finance Committee, the Board of Governors is requested to approve the extension in tenure with fellowship of Int. Ph.D and Ph.D students and Institute's PDFs.
	Comments of Bureau, MoE: Recommendations of the Finance Committee may be considered.
	Comments of IFD about this agenda item sent for Finance Committee meeting: These are Government sponsored fellowships. Extension of 3 months in the tenure of the Int. PhD and PHD students & Institutes' PDFs, as recommending owing to closure of labs due to COVID-19, may be considered without fellowships.
Decision	The Board of Governors has resolved that as recommended by the Finance Committee, the decision of MoE, in the matter of fellowship tenure extensions for PhD students of CEIs, may be awaited. At the same time, the Institute's request to the MoE for an early favourable decision in this matter is supported and endorsed. For Post Doctoral Fellows, it is resolved that no tenure extension needs to be considered at this stage.
F.C.21.36.08	Use of IRG to cover the shortfall in Grant-in-aid.
	The Grant-in-aid to IISER Mohali for FY 2021-22 has been reduced to Rs.85.00 crores from the previous year's allocation of Rs.105.00 crores. This shortfall of Rs.20.00 crores has put a constraint on day to day expenditure of the Institute. In particular, a major cut has been imposed in OH31 which has been reduced to Rs.28.00 crores from the previous year's allocation of Rs.44.00 crores. The actual expenditure incurred in OH31 in FY 2020-21 was Rs.43.64 crores, which includes payments for essential services like electricity, water, sewage, payment of outsource agency, AMC/CMC and fellowships to students.
	Consequently, the Institute is left with no funds under OH31 to support its research activities. The total amount of IRG available with the Institute after taking into account prior commitments is around Rs.13.00 crores, and the Board's approval is requested for the Institute to cover the shortfall of grant-in-aid from its IRG funds.
	On the recommendations of the Finance Committee, the Board of Governors is requested to allow the Institute to use its IRG funds to cover the shortfall of grant-in-aid in 2021-22.
	Comments of Bureau, MoE: Recommendations of the Finance Committee may be considered.
	Comments of IFD about this agenda item sent for Finance Committee meeting: May be considered. In view of the specific guidelines of MoF on cut of expenditure under OH-31, there is no possibility of recouping through government grants later.
Decision	On the recommendations of the Finance Committee, the Board of Governors has

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	resolved that the Institute is permitted to use IRG to cover shortfall, if any, of grant-in-aid in the current financial year. At the same time, the BoG endorsed the concern raised by the Finance Committee that using its own IRG for aforesaid purpose, will leave no funds with the Institute to meet future unforeseen expenses. Hence, the BoG desired that the MoE may consider assisting the institute in a way they may deem suitable.
F.C.21.36.09	Re- activation of suspended credit facility with Fedex courier company
	In 2012, the institute entered into a credit payment facility arranged with Fedex courier company for import of shipments from outside India, which has been very useful and is an essential need especially for obtaining biological resources such as bacteria, yeast, seeds, fruit fly stocks or cell lines from overseas. The company suspended this facility for the Institute in 2018 for non-payment of invoices totaling around Rs. 70,000. On examination, it has emerged that these payments were towards shipments between (to and from) addresses in the USA that were completely unrelated to the Institute, implying that the IISER credit account had been incorrectly used, either in error or with deliberate intent, for raising these invoices.  Following this suspension, faculty in the Institute are facing great hardships in their research activities since several shipments especially from other laboratories can be arranged through Fedex alone.  It may also be noted that the account suspension owing to the faulty invoices occurred during the two-year turmoil period of the Institute in 2018-19, and the current administration will ensure that the procedures are tightened up sufficiently in operation of the Fedex Credit facility.  On the recommendations of the Finance Committee, the Board of Governors is requested to allow the Institute to make/complete the payment against the pending invoices in order to reactivate the suspended credit facility, even as the Institute continues to engage with the company in investigating these invoices and attempting to have the entries in the Institute account reversed and to re-activate the suspended credit facility with Fedex courier company.  Comments of Bureau, MoE: Recommendations of the Finance Committee meeting:  May be reactivated. But payment against the pending invoices may be made after due
	verification and strict procedures may be adopted to check and not to recur such incorrect usage.
Decision	On the recommendations of the Finance Committee, the BoG resolved that it is an
	essential research requirement for the Institute to get the credit facility reactivated with
	Fedex. It further resolved that the Institute should press upon Fedex to investigate into
	the matter so that the Institute does not suffer because a transaction that has wrongly
	been invoiced to the Institute. Further, it also desired that the Institute may put a
	mechanism in place so as to avoid such incidents in future.
B.O.G.21.44.06	Items arising from the 46 <sup>th</sup> Senate meeting held on 11.05.2021:
	Revised description of this agenda item was sent to all the members on 22.06.2021.
	Comments of Bureau, MoE: May be considered.
Senate 21.46.04	Students fulfilling the requirements of BS-MS Degree:

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	At the outset, the Director informed all the members that the 52 BS-MS (MS16 Batch) students mentioned in the agenda have been merged in an updated list having 140 students (MS16 Batch) sent to members on 22.06.2021, under <i>details of agenda item No.B.O.G.21.44.07</i> .  He also informed that a revised description of agenda item No.B.O.G.21.44.06, has also subsequently been sent to all members.				
Decision		roval of the BoG regarding 07 (Senate 21.47.04)	g aforesaid students is	mentioned at agenda i	item
Senate 21.46.05	Students	fulfilling the requirements o	of RS Degree:		
Senate 21.10.00	Based on	the approved guidelines, the fe programme:		ompleted the requiremen	ts of
	MS14 Ba	tch:			
	S. No.	Name	Reg. No.	СРІ	
		Sumit Thakur	MS14005	6.3	
	MS16 Ba	tch:	II.		
	S. No.	Name	Reg. No.	СРІ	
	1.	Abhijit Pati	MS16056	5.1	
Decision	approval J	commendations of the Senate, for awarding the BS degree to ed of Governors approved the to above mentioned students.	above mentioned student	s.	
Senate 21.46.07		fulfilling the requirements of		1 , 1 , 1	
	Based on the approved guidelines, the following students have completed the requirements PhD degree:		ts of		
	1) Name of Student: Mr. Anirban Kundu Registration No.: PH14217 Registration: January 2015 Name of Supervisor: Dr. Kiran ShankarHazra Title of the Thesis: Structural and Opto-electronic Study of 2D Black Phosphorus: A Perspective from Raman Spectroscopy Date of Thesis Submission: August 18, 2020 Thesis Examination Committee: i) Dr. Kiran Shankar Hazra (Supervisor) ii) Dr. Kanishka Biswas, JNCASR, Bangalore (External) iii) Dr. Rajesh V. Nair, IIT Ropar (External) iv) Prof. M Aslam, IIT Bombay (External) Based on the recommendation of thesis examination committee viva-voce was conducted on December 31, 2020 Viva-voce Committee: i) Dr. Kiran Shankar Hazra (Convener) ii) Prof. M Aslam, IIT Bombay (External Examiner) iv) Dr. Vivek Bagchi				

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	vii) Prof. Abir De Sarkar
	The viva-voce committee has recommended that the PhD degree be awarded
	2) Name of Student: Ms. Muskan Bhatia
	Registration No.: PH13043
	Registration: January 2014
	Name of Supervisor: Prof. Anand K. Bachhawat
	Title of the Thesis: Studies on the regulatory domain of the yeast Methylene tetrahydrofolate
	reductase (MTHFR), a key enzyme in one-carbon metabolism Date of Thesis Submission: September 29, 2020
	Thesis Examination Committee:
	i) Prof. Anand K. Bachhawat (Supervisor)
	ii) Dr.UllasKolthur-Seetharam, TIFR, Mumbai (External)
	iii) Dr. Kaushik Chakraborty, IGIB, New Delhi (External)
	iv) Dr. Narayan S. Puneka, IIT Bombay (External)
	Based on the recommendation of thesis examination committee viva-voce was conducted on
	January 12, 2021
	Viva-voce Committee:
	i) Prof. Anand K. Bachhawat (Convener)
	ii) Dr. Kaushik Chakraborty, IGIB, New Delhi (External Examiner) iii) Dr. Shravan Kumar Mishra
	iv) Dr. Rachna Chhabha
	17) Bi. Raemia Cimacina
	The viva-voce committee has recommended that the PhD degree be awarded
	3) Name of Student: Mr. Uttam Kumar Mishra
	Registration No.: PH15007
	Registration: August 2015
	Name of Supervisor: Dr. S.S.V Ramasastry
	Title of the Thesis: Synthesis of new class of cyclopropanes and their unusual synthetic transformations
	Date of Thesis Submission: October 05, 2020
	Thesis Examination Committee:
	i) Dr. S.S.V Ramasastry (Supervisor)
	ii) Prof. Akhila K. Sahoo , University of Hyderabad (External)
	iii) Prof. Santosh J. Gharpure, IIT Bomba (External)
	iv) Prof. Akhilesh K. Verma, University of Delhi (External)
	Based on the recommendation of thesis examination committee viva-voce was conducted on
	January 15, 2021
	Viva-voce Committee:
	<ul><li>i) Dr. S.S.V Ramasastry (Convener)</li><li>ii) Prof. Santosh J. Gharpure, IIT Bombay (External Examiner)</li></ul>
	iii) Dr.R. Vijaya Anand
	v) Dr.Sugumar V
	The viva-voce committee has recommended that the PhD degree be awarded
	4) Name of Student: Mr. Munish Shorie
	Registration No.: PH14213
	Registration: August 2014 Name of Supervisor: Dr. Priyanka Sabherwal& Prof. Deepa Ghosh
	Title of the Thesis: Aptamer Functionalized Nanobioprobe Based Sensing Platforms for
	Cardiovascular Diseases
	Date of Thesis Submission: September 11, 2020
	Thesis Examination Committee:

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	i) Dr. Priyanka Sabherwal& Prof. Deepa Ghosh (Supervisor)
	ii) Prof. C. Raman Suri, IIT Ropar (External)
	iii) Prof. Siddhartha Panda, IIT Kanpur (External)
	iv) Prof. Soumyo Mukherji, IIT Bombay (External)
	Based on the recommendation of thesis examination committee viva-voce was conducted on
	February 01, 2021
	Viva-voce Committee:
	i) Dr. Priyanka Sabherwal&Prof. Deepa Ghosh (Convener)
	ii) Prof. C. Raman Suri, IIT Ropar (External Examiner)
	iii) Dr.Sharmistha Sinha
	iv) Dr.Ramendra Sunder Dey
	The viva-voce committee has recommended that the PhD degree be awarded
	5) Name of Student: Ms. Shivangi Gupta
	Registration No.: PH14064
	Registration: January 2015
	Name of Supervisor: Dr. Rajesh Ramachandran
	Title of the Thesis: Understanding the role of Pten and the molecular mechanisms underlying
	Pten/PI3K/Akt/mTOR pathway during zebrafish retina regeneration
	Date of Thesis Submission: November 11, 2020
	Thesis Examination Committee:
	i) Dr. Rajesh Ramachandran (Supervisor)
	ii) Dr.MahendraSonawane, TIFR Mumbai (External)
	iii) Dr.Chinmoy Patra, ARI Pune (External)
	iv) Dr. Sridhar Sivasubbu, CSIR-IGIB New Delhi (External)
	Based on the recommendation of thesis examination committee viva-voce was conducted on
	February 19, 2021
	Viva-voce Committee:
	i) Dr. Rajesh Ramachandran (Convener)
	ii) Dr.MahendraSonawane, TIFR Mumbai (External Examiner)
	iii) Dr.Lolitika Mandal
	iv) Dr. Shashi Bhushan Pandit
	The viva-voce committee has recommended that the PhD degree be awarded
	6) Name of Student: Mr. Amit Roy
	Registration No.: PH15002
	Registration: August 2015
	Name of Supervisor: Prof. Kapil Hari Paranjape
	Title of the Thesis: Combinatorial properties of some monomial ideals induced by graphs and
	permutations
	Date of Thesis Submission: October 28, 2020
	Thesis Examination Committee:
	i) Prof. Kapil Hari Paranjape (Supervisor)
	ii) Prof. A. V. Jayanthan, IIT Madras Chennai (External)
	iii) Prof. V. Trivedi, TIFR Mumbai (External)
	iv) Prof. Dilip P. Patil, IIS Bangalore (External)
	Based on the recommendation of thesis examination committee viva-voce was conducted on
	February 22, 2021
	Viva-voce Committee:
	i) Prof. Kapil Hari Paranjape (Convener)
	ii) Prof. V. Trivedi, TIFR Mumbai (External Examiner)
	iii) Dr. Yashonidhi Pandey
	v) Dr. Varadharaj R Srinivasan

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	The viva-voce committee has recommended that the PhD degree be awarded
	7) Name of Student: Ms. Harmanjit Kaur
	Registration No.: PH14223
	Registration: January 2015
	Name of Supervisor: Dr. Priyanka Sabherwal&Dr.Sharmistha Sinha
	Title of the Thesis: Aptamer functionalized nanostructured biosensing platforms for enteric
	pathogenic bacteria Date of Thesis Submission: October 28, 2020
	Thesis Examination Committee:
	i) Dr. Priyanka Sabherwal&Dr.Shamistha Sinha (Supervisor)
	ii) Dr. Atul C. Chaskar, University of Mumbai (External)
	iii) Dr. Manse Thakur, MGM School of Bio-medical Science (External)
	iv) Dr. Rohit K. Sharma, Dept. of microbial Biotech, Punjab university, Chandigarh
	(External)
	Based on the recommendation of thesis examination committee viva-voce was conducted on February 23, 2021
	Viva-voce Committee:
	<ul><li>i) Dr. Priyanka Sabherwal&amp;Dr.Sharmistha Sinha (Convener)</li><li>ii) Dr. Atul C. Chaskar, University of Mumbai (External Examiner)</li></ul>
	iii) Prof. SurajitKarmakar
	iv) Dr. Sangita Roy
	The viva-voce committee has recommended that the PhD degree be awarded
	8) Name of Student: Ms. Suman Kamboj
	Registration No.: PH15012 Registration: August 2015
	Name of Supervisor: Dr. Goutam Sheet
	Title of the Thesis: Transport spectroscopy on novel quantum materials
	Date of Thesis Submission: October 01, 2020
	Thesis Examination Committee:
	i) Dr. Goutam Sheet (Supervisor)
	ii) Prof. Krishnendu Sengupta, IACS, Koltata (External)
	iii) Prof. Praveen Chaddah, UGC-DAE CSR, Indore (External)
	iv) Dr.Anindya Das, IISc Bangalore (External)  Based on the recommendation of thesis examination committee viva-voce was conducted on
	February 25, 2021
	Viva-voce Committee:
	i) Dr. Goutam Sheet (Convener)
	ii) Prof. Praveen Chaddah, UGC-DAE CSR, Indore (External Examiner)
	iii) Dr. Sanjeev Kumar
	v) Dr. Yogesh Singh
	The viva-voce committee has recommended that the PhD degree be awarded
	9) Name of Student: Mr. Abhishek Kumar Mishra
	Registration No.: PH14047
	Registration: January 2015
	Name of Supervisor: Dr. Vinayak Sinha
	Title of the Thesis: Emissions, diurnal variability and modelling of biogenic volatile organic
	compounds
	Date of Thesis Submission: October 01, 2020 Thesis Examination Committee:
	i) Dr. Vinayak Sinha (Supervisor)
	1) DI. VIIIAYAK SIIIIIA (SUPELVISOL)

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	ii) Prof. Manish Naja, ARIES, Manora Peak, Nainital (External) iii) Prof. Bhola Ram Gujar, IIT Roorkee (External) iv) Prof. Ashok Karumari (FNAS), CEOAS, University of Hyderabad, Gachibowli (External) Based on the recommendation of thesis examination committee viva-voce was conducted on March 12, 2021 Viva-voce Committee: i) Dr. Vinayak Sinha (Convener) ii) Prof. Bhola Ram Gujar, IIT Roorkee (External Examiner) iii) Dr. N.G. Prasad v) Dr.Baerbel Sinha
	The viva-voce committee has recommended that the PhD degree be awarded
	10) Name of Student: Ms. Deepinder Kaur Registration No.: PH14005 Registration: August 2014 Name of Supervisor: Dr. ArunikaMukhopadhaya Title of the Thesis: Understanding the role of OmpV, an outer-membrane protein of Salmonella typhimurium towards bacterial pathogenesis and host-immune activation Date of Thesis Submission: January 19, 2021 Thesis Examination Committee: i) Dr. ArunikaMukhopadhaya (Supervisor) ii) Prof. DipshikhaChakravortty, IISc Bangalore (External) iii) Prof. Philip R. Hardwidge ,CEZID (External) iv) Prof. Steffen Backert, Friedrich Alexander University, Germany (External) Based on the recommendation of thesis examination committee viva-voce was conducted on March 18, 2021 Viva-voce Committee: i) Dr. ArunikaMukhopadhaya (Convener) ii) Prof. DipshikhaChakravortty, IISc Bangalore (External Examiner) iii) Dr. Kausik Chattopadhyay iv) Dr. Samrat Bhattacharyya The viva-voce committee has recommended that the PhD degree be awarded
	11) Name of Student: Mr. Chandan Kumar Registration No.: PH12129 Registration: August 2012 Name of Supervisor: Prof. Arvind Title of the Thesis: Continuous variable Gaussian and non-Gaussian states: Estimation, nonlocality and quantum key distribution Date of Thesis Submission: December 07, 2020 Thesis Examination Committee: i) Prof. Arvind (Supervisor) ii) Prof. Subhash Chaturvedi, TIFR, Mumbai (External) iii) Prof. Anirban Pathak, JIIT Noida, U. P (External) iv) Prof. Sanjay Kumar, S. N Bose National centre for basic Sciences, Kolkata (External) Based on the recommendation of thesis examination committee viva-voce was conducted on March 18, 2021 Viva-voce Committee: i) Prof. Arvind (Convener) ii) Prof. Anirban Pathak, JIIT Noida, U. P (External Examiner) iii) Prof. Kavita Dorai iv) Dr. Sandeep Goyal
	The viva-voce committee has recommended that the PhD degree be awarded

Item No.	Agenda
	12) Name of Student: Mr. Atul Dev
	Registration No.: PH14220
	Registration: January 2015
	Name of Supervisor: Prof. Surajitkarmakar
	Title of the Thesis: Development of Nano therapeutic platforms for the treatment and
	management of solid cancer
	Date of Thesis Submission: December 29, 2021
	Thesis Examination Committee:
	i) Prof. Surajitkarmakar (Supervisor)
	ii) Dr.Rituparna Sinha Roy, IISER Kolkata (External)
	iii) Dr. Rohit Srivastava, IIT Bombay (External)
	iv) Dr. G. B. Jena, NIPER Mohali (External)
	Based on the recommendation of thesis examination committee viva-voce was conducted on March 26, 2021
	Viva-voce Committee:
	i) Prof. Surajitkarmakar (Convener)
	ii) Dr.Rituparna Sinha Roy, IISER Kolkata (External Examiner)
	iii) Dr.Sharmistha Sinha
	iv) Dr. Prakash P. Neelakandan
	The viva-voce committee has recommended that the PhD degree be awarded
	13) Name of Student: Mr. Shiv Kumar Sharma
	Registration No.: PH12101
	Registration: August 2012
	Name of Supervisor: Dr.Lolitika Mandal
	Title of the Thesis: Understanding the role of actomyosin complex in the developing lymph
	gland of Drosophila melanogaster
	Date of Thesis Submission: December 28, 2020
	Thesis Examination Committee:
	i) Dr.Lolitika Mandal (Supervisor)
	ii) Prof. Satish Khurana, IISER TVM Kerala (External)
	iii) Prof. Mohit Prasad, IISER Kolkata (External)
	iv) Prof. Surendra Ghaskadbi, ARI Pune (External)
	Based on the recommendation of thesis examination committee viva-voce was conducted on
	March 26, 2021
	Viva-voce Committee:
	i) Dr.Lolitika Mandal (Convener)
	ii) Prof. Mohit Prasad, IISER Kolkata (External Examiner)
	iii) Dr. Sudip Mandal
	iv) Dr.Rhitoban Ray Choudhury
	The viva-voce committee has recommended that the PhD degree be awarded
	On the recommendations of the Senate, it is submitted to the Board of Governors to accord its
	approval for awarding the PhD degree to above mentioned students.
	The Director informed that there was typographic error in the name of Dr. Sudip
	Mandal mentioned above in the Viva-voce committee of Mr. Shiv Kumar Sharma at Sr. No.13. Now, the correction has been incorporated.
Decision	The Board of Governors approved the recommendation of the Senate for awarding the
Decision	PhD Degree to above mentioned students.

Item No.	Agenda
	The Board also approved the correction.
Senate 21.46.08	Students fulfilling the requirements of Int. PhD Degree:
	Based on the approved guidelines, the following students have completed the requirements of
	Int. PhD degree:  1) Name of Student: Ms. Poulami Chaudhuri
	Registration No.: MP12004
	Registration: August 2012
	Name of Supervisor: Dr. Shravan Kumar Mishra
	Title of the Thesis: A conserved and essential motif in the pre-mRNA splicing factors Snu66
	and SRC1 alternative splicing factors in S. cerevisiae
	Date of Thesis Submission: October 22, 2020 Thesis Examination Committee:
	i) Dr. Shravan Kumar Mishra (Supervisor)
	ii) Prof. Krishnaveni Mishra, University of Hyderabad (External)
	iii) Dr. Chandan Sahi, IISER Bhopal (External)
	iv) Dr. Geetanjali Sundaram, University of Calcutta (External)
	Based on the recommendation of thesis examination committee viva-voce was conducted on
	January 11, 2021
	Viva-voce Committee: i) Dr. Shravan Kumar Mishra (Convener)
	ii) Prof. Krishnaveni Mishra, University of Hyderabad (External Examiner)
	iii) Prof. Anand K. Bachhawat
	iv) Prof. P. Guptasarma
	The viva-voce committee hasrecommended that the MS & PhD degrees be awarded.
	2) Name of Student: Ms. Reema Kathuria Registration No.: MP12013
	Registration: August 2012
	Name of Supervisor: Prof. Kausik Chattopadhyay
	Title of the Thesis: Exploring the implication of cholesterol in regulating pore-formation mechanism of Vibrio cholerae cytolysin, a □-barrel pore-forming toxin
	Date of Thesis Submission: January 20, 2021
	Thesis Examination Committee:
	i) Prof. Kausik Chattopadhyay (Supervisor)
	ii) Dr.Jayati Sengupta, CSIR-Indian Institute of Chemical Biology, Kolkata (External) iii) Prof. Manuel Prieto, Universidade de Lisboa, Lisbon, Portugal, Portugal (External)
	iv) Prof. Amitabha Chattopadhyay, Centre for Cellular & Molecular Biology, Hyderabad
	(External)
	Based on the recommendation of thesis examination committee viva-voce was conducted on
	April 07, 2021
	Viva-voce Committee: i) Prof. Kausik Chattopadhyay (Convener)
	ii) Prof. Amitabha Chattopadhyay, Centre for Cellular & Molecular Biology, Hyderabad
	(External Examiner)
	iii) Dr. Sudip Mandal
	iv) Dr.Mahak Sharma
	The viva-voce committee has recommended that the MS & PhD degrees be awarded.
	3) Name of Student: Ms. Ayushi Singhania
	Registration No.: MP13013
	Registration: August 2013

Item No.	Agenda
	Name of Supervisor: Dr. Sanjeev Kumar Title of the Thesis: Cluster Mean Field Approach to Low Dimensional Quantum Magnets Date of Thesis Submission: October 20, 2020 Thesis Examination Committee: i) Dr. Sanjeev Kumar (Supervisor) ii) Dr. Surjeet Singh, IISER Pune (External) iii) Prof. Carmine Ortix, University of Salero (External) iv) Dr.Sidhartha Lal, IISER Kolkata(External) Based on the recommendation of thesis examination committee viva-voce was conducted on February 25, 2021 Viva-voce Committee: i) Dr. Sanjeev Kumar (Convener) ii) Dr. Surjeet Singh, IISER Pune (External Examiner) iii) Dr. Rajeev Kapri iv) Dr. Yogesh Singh
	The viva-voce committee has recommended that the MS and PhD degrees be awarded.
	On the recommendations of the Senate, it is submitted to the Board of Governors to accord its approval for awarding the Int. PhD (MS+PhD) degree to above mentioned students.
Decision	The Board of Governors approved the recommendation of the Senate for awarding the Int. PhD (MS+PhD) Degree to above mentioned students.
Senate 21.46.09	Students fulfilling the requirements of MS Degree:
	Based on the approved guidelines, the following students have completed the requirements of MS degree:  1) Name of Student: Ms. Basundhara Dasgupta Registration No.: MP18023 CPI: 9.4 Registration: August 2018 Name of Supervisor: Dr.SubhabrataMaiti Title of the MS Thesis: Bio/Nano-catalytic proton transfer  MS Thesis Evaluation Committee:  i) Dr.SubhabrataMaiti (Supervisor) ii) Dr. Santanu Kumar Pal iii) Dr. Raj Kumar Roy Date of MS Thesis Submission (online on Moodle): April 30, 2021 Viva-voce was conducted on April 20, 2021 The viva-voce committee has recommended that the MS degree be awarded.  2) Name of Student: Ms. Sukanya Dutta Registration No.: MP18025 CPI: 9.7 Registration: August 2018 Name of Supervisor: Dr.Santanu Kumar Pal
	Title of the MS Thesis: Study of the Self-assembly of a Nonionic Surfactant at Aqueous- Liquid Crystal Interfaces

Item No.	Agenda
	MS Thesis Evaluation Committee:
	i) Dr.Santanu Kumar Pal (Supervisor)
	ii) Dr.SubhabrataMaiti iii) Dr. Raj Kumar Roy
	Date of MS Thesis Submission (online on Moodle): April 30, 2021
	Viva-voce was conducted on April 20, 2021
	The viva-voce committee has recommended that the MS degree be awarded.
	3) Name of Student: Ms. Shabduli Arjun Sawant
	Registration No.: MP18030 CPI: 9.3
	Registration: August 2018
	Name of Supervisor: Dr. Shashi B. Pandit  Title of the MS Thesia: Pale of Mytuelly exclusive Evens (MYEs) in the Eventional shift of
	Title of the MS Thesis: Role of Mutually eXclusive Exons (MXEs) in the Functional shift of isoforms: A case study of human Pyruvate Kinase M (PKM)
	MS Thesis Evaluation Committee:
	i) Dr. Shashi B. Pandit (Supervisor)
	ii) Dr. Shravan K. Mishra
	iii) Dr. Rajesh Ramachandran Date of MS Thesis Submission (online on Moodle): April 30, 2021
	Viva-voce was conducted on April 09, 2021
	The viva-voce committee has recommended that the MS degree be awarded.
	4) Name of Student: Mr. Abhinil Ghosal
	Registration No.: MP18005 CPI: 8.5
	Registration: August 2018
	Name of Supervisor: Dr.Debrina Jana
	Title of the MS Thesis: Amino acid Mediated Synthesis of different Structural Gold Nanoparticles
	MS Thesis Evaluation Committee:
	i) Dr.SubhabrataMaiti (Administrative Guide)
	ii) Dr.Santanu Kumar Pal iii) Dr.Angshuman Roy Choudhury
	Date of MS Thesis Submission (online on Moodle): April 30, 2021
	Viva-voce was conducted on April 22, 2021
	The viva-voce committee has recommended that the MS degree be awarded.
	On the recommendations of the Senate, it is submitted to the Board of Governors to accord its approval for awarding the MS degree to above mentioned students.
Decision	The Board of Governors approved the recommendation of the Senate for awarding the MS Degree to above mentioned students.
B.O.G.21.44.07	Items arising from the 47 <sup>th</sup> Senate meeting held on 18.06.2021:
	The 47 <sup>th</sup> meeting of the Senate is scheduled to be held on 18.06.2021. The recommendations

Item No.	Agenda							
	-	uiring approval of the E ernors for its kind consid				placed o	on table	
		Details of this agenda item were circulated to all members of the BoG on 22.06.2021 in morning, which also placed below under respective agenda items.						
	Comments of Boas separate agence	ureau, MoE: Specific itela.	ems requiring	g approva	l of th	ne BOG r	nay be l	
Senate 21.47.04	Students fulfilling requirements for the award of BS-MS Degree:							
	MS14 Batch:							
	S. No.	Name	Reg. No.	Subject	CI	PI		
	1.	Shubham A Singh	MS14025	PHY	6.3	3		
	2.	Aritra Bhattacharya	MS14145	MTH	8.1	1		
	MS15 Batch:							
	S. No.	Name	Reg. No.	Subie	ct	СРІ		
	1.	Shridhar Vinayak	MS1506	50 PH	Y 9.3			
	2.	Sachin C S	MS1515	50 M	ГН	6.2		
	MS16 Batch:							
	S. No.	Name	Reg. No.	Subject	CPI	Mino	r	
	1.	Kartik Chhajed	MS16001	PHY	9.7			
	2.	Pushpit	MS16003	PHY	7.1	Earth	Science	
	3.	Mamta	MS16004	BIO	8.5			
	4.	Aritram Dhar	MS16005	MTH	7.7			
	5.	Sahil Threja	MS16006	BIO	8.6			
	6.	Rahul Singh Yadav	MS16008	СНМ	7.6			
	7.	Gummala Sreenivas	MS16009	BIO	8.2			
	8.	Kausthub Keshava	MS16010	МТН	8.8	Data	Science	
	9.	Bidisha Biswas	MS16011	PHY	8.7	Data	Science	
	10.	Aman Sharma	MS16012	PHY	9.1			
	11.	Neha Bajaj	MS16013	СНМ	8.3	Atmo	shpheric	
	12.	Celina Meena	MS16014	BIO	'8.0			
						1		

MS16015 PHY

8.2

13. Sourav Das

Item No.	Agenda					
	14.	Saurabh Annadate	MS16016	PHY	8.2	Data Science
	15.	G 1: D 11	MC1/010	DIO	0.6	
	16	Soumyadip Poddar	MS16018		8.6	
	16.	Nandagopal S A	MS16019	MIH	7.4	
	17.	Harshath Amal	MS16022	BIO	9.2	
	18.	Nikita Singh	MS16024	СНМ	8.4	Science Society Studies
	19.	Anubhav Kumar Srivastava	MS16025	PHY	8.6	Data Science
	20.	Vishal Varma	MS16026	PHY	7.6	Data Science
	21.	Yogesh Verma	MS16027	PHY	9.3	
	22.	Dipannita Ghosh	MS16028	BIO	9.8	
	23.	Pratibha Jadoun	MS16029	MTH	7.2	
	24.	Subhajit Pal	MS16030	BIO	9.0	
	25.	Kaustuv Ghosh	MS16031	BIO	9.5	
	26.	Suman Chatterjee	MS16032	PHY	7.7	
	27.	Asrith Krishna R	MS16033	PHY	7.1	Data Science
	28.	Shradha Sapru	MS16034	СНМ	10.0	
	29.	Abhijit Bhalachandra	MS16035	МТН	8.7	Data Science
	30.	Rahul Ramesh	MS16036	PHY	9.8	Astronomy
	31.	GyanaLipsaParida	MS16037	BIO	7.0	
	32.	K Abhijeet	MS16038	СНМ	6.9	
	33.	Upayan Roy	MS16041	PHY	9.1	
	34.	Reena	MS16042	СНМ	8.2	
	35.	SamyakPratyush Prasad	MS16044	PHY	9.1	
	36.	Kshitiz	MS16045	BIO	8.0	
	37.	Ardra Nandakumar	MS16046	BIO	9.6	
	38.	Vaishnav Dilip	MS16047	МТН	8.5	Data Science
	39.	Utkarsh Pathak	MS16048	PHY	8.6	Astronomy
	40.	Bhavish Raj Gopal	MS16049	МТН	7.3	

Item No.	Agenda					
	41.	Yashika Gupta	MS16051	СНМ	8.7	
	42.	Amisha Yadav	MS16052	СНМ	8.2	
	43.	Parth Kapoor	MS16053	PHY	7.9	
	44.	Abhishek Purohit	MS16054	PHY	6.1	
	45.	Shikhar Arora	MS16055	PHY	8.7	Science Education
	46.	Ajay Jayachandran	MS16057	СНМ	8.3	
	47.	Chahat Badhan	MS16058	BIO	8.1	
	48.	Gautam Neelakantan M	MS16060	МТН	9.8	
	49.	TekadeKimaya Nitin	MS16063	BIO	9.3	
	50.	Shashwat Kumar	MS16064	PHY	9.5	
	51.	Somnath Mandal	MS16065	PHY	6.4	
	52.	Sonell Malik	MS16066	PHY	9.3	
	53.	Dinesh Kumar	MS16067	MTH	7.9	
	54.	Saksham Mahajan	MS16068	PHY	8.8	
	55.	Satender	MS16069	MTH	6.5	
	56.	Abhimanyu Nowbagh	MS16070	PHY	8.2	
	57.	Ruchira A Mishra	MS16071	PHY	9.7	
	58.	Hiral Gandhi	MS16072	BIO	9.2	Atmoshpheric Science
	59.	Vivek Shukla	MS16073	PHY	7.5	
	60.	ShagunPuri	MS16074	BIO	9.2	
	61.	Satvik Singh	MS16075	PHY	9.8	
	62.	Nikhil C	MS16076	BIO	9.3	
	63.	Ashley Chraya	MS16077	PHY	7.4	
	64.	Vinod Gour	MS16078	СНМ	7.3	
	65.	Ijaz Ahamed Mohammad	MS16079	PHY	7.8	
	66.	Anshuman Acharya	MS16080	РНҮ	9.3	Astronomy
	67.	Anuj Kaundal	MS16081	СНМ	7.7	
	68.	Soumya Panyam	MS16082	BIO	9.5	
	69.	Saumya Sebastian	MS16083	CHM	8.9	

Item No.	Agenda					
	70.	Akhil Pratap	MS16087	СНМ	6.5	
	71.	Aman Singh Katariya	MS16088	PHY	8.0	Data Science
	72.	Divya Suman	MS16090		9.1	Dum Selence
	73.	Kirti Devi	MS16091		8.3	
	74.	Tejendra	MS16092		8.2	Data Science
	75.	Prerna Goel	MS16093		9.0	Data Science
	76.	PrathameshBalasaheb Pol	MS16094	BIO	7.9	
	77.	Dhruv Jyotindra Pandya	MS16095	PHY	7.2	
	78.	Manisha Kalsain	MS16096	BIO	7.9	
	79.	R Bharathkumar	MS16097	PHY	9.8	
	80.	Mayank Kashyap	MS16098	BIO	7.9	
	81.	Satyapan Munshi	MS16099	PHY	9.8	Astronomy
	82.	Anima Angelina Lakra	MS16101	BIO	6.6	
	83.	Sparsh Tyagi	MS16102	СНМ	9.6	Inorganic Chemistry
	84.	Jyothi Srinivas Bitra	MS16103	BIO	7.8	
	85.	Anmol Arya	MS16105	PHY	7.6	
	86.	Manisha Gaurav	MS16106	СНМ	7.5	
	87.	Liz Maria Luke	MS16107	BIO	9.2	
	88.	SaswatPattnaik	MS16109	BIO	7.0	
	89.	Salman Faris K	MS16110	СНМ	7.1	
	90.	Arjun Chowdhury	MS16111	СНМ	8.0	Organic Chemistry
	91.	Swastika Anand	MS16115	BIO	8.7	
	92.	Deepanshu Aggarwal	MS16116	PHY	8.4	
	93.	Anuthariq A. V	MS16119	BIO	8.0	Data Science
	94.	Deepraj Verma	MS16120	СНМ	7.4	
	95.	Priya Bhatt	MS16121	BIO	6.2	
	96.	Arpit Omprakash	MS16124	BIO	9.6	Data Science

Item No.	Agenda					
	97.	Subhamoy Deb	MS16126	PHY	5.7	
	98.	Rishi Gangadhar Gopalakrishnan	MS16127	PHY	7.6	
	99.	Abhijeet Singh	MS16129	PHY	8.4	
	100.	Aaditya Mishra	MS16131	PHY	7.3	
	101.	Yuvraj Vaishnav	MS16132	СНМ	8.7	Physical Chemistry
	102.	Nandan Malhotra	MS16133	MTH	8.3	
	103.	Sarthak Sekhar Sahoo	MS16134	BIO	6.2	
	104.	Shrestha Shaw	MS16135	BIO	8.1	
	105.	Mubarak Jamal	MS16136	BIO	7.6	
	106.	Siddhant Sahoo	MS16138	BIO	7.3	
	107.	Pankaj Kumar Jangid	MS16140	СНМ	8.5	Physical Chemistry
	108.	Subhasis Behera	MS16141	BIO	6.9	
	109.	Pranay Jaiswal	MS16142	PHY	7.5	Data Science
	110.	BudarajuSasank	MS16143	PHY	9.5	
	111.	Pravin Kumar	MS16144	СНМ	7.0	Physical Chemistry
	112.	SajanChinnan	MS16149	СНМ	8.0	
	113.	Akhilesh Meena	MS16152	СНМ	6.9	
	114.	Shivam Kumar	MS16154	СНМ	5.0	
	115.	Mohak Sharma	MS16155	PHY	8.3	
	116.	Umakant Gaurav	MS16156	СНМ	5.7	
	117.	Varghese Alapatt	MS16158	PHY	7.9	
	118.	Amjadudheen V P	MS16160	BIO	8.9	
	119.	Nishuta	MS16161	BIO	6.1	
	120.	Hunarpreet Kaur	MS16162	СНМ	7.7	
	121.	Ankush Sharma	MS16163	BIO	6.2	
	122.	Navya	MS16164	BIO	7.1	
	123.	Nada Rs	MS16165	BIO	8.7	
	124.	Harsh Kishor	MS16167	СНМ	6.2	
	125.	Cheshta Bhatia	MS16170	BIO	9.6	
	126.	HarjasnoorKakkar	MS16172	СНМ	7.7	

		127.	ShilauniDadwal	MS16173	BIO	7.3	
		128.	Vishal Gaur	MS16174	PHY	8.3	Data Science
		129.	Vandana Gupta	MS16175	BIO	7.1	
		130.	Dhanyaj N. Nampoothiry	MS16176	СНМ	9.5	Organic Chemistry
		131.	Sreelakshmi. V	MS16178	CHM	8.1	Organic Chemistry
		132.	Jacob Siby	MS16179	BIO	8.8	
		133.	Aljasil. C	MS16181	СНМ	8.2	Earth Science
		134.	Adarsh S Kurup	MS16182	CHM	9.1	
		135.	RosmiReji	MS16183	CHM	9.0	
		136.	Puneeth Deraje	MS16184	MTH	9.9	
		137.	Anshul Nagar	MS16185	CHM	6.7	
		138.	Shubhangi Jain	MS16186	PHY	7.7	Data Science
		139.	Parvathi Valsalan	MS16188	PHY	8.2	Data Science
Decision		140.	Broti Biswas	MS16189	BIO	8.1	
	all of the please be approval meeting.  The Board BS-MS Do	prescr consi for af d of G	o.103, Mr. Sarthak Seribed requirements for idered as deleted. To oresaid correction, so overnors approved that to above mentioned such as Sahoo, MS16134.	r award of line Chairperubject to ra	BS-MS d rson, Sentification dation of	egrees; nate hate by the	hence his name mad already according Senate in its not
Senate 21.47.05			ng requirements for th	e award of B	S Degree	:	
Senate 21.47.05	MS15 Bat	ch:					
Senate 21.47.05	MS15 Bat S. No.	ch: Nam	e	I	Reg. No.	СР	
Senate 21.47.05	MS15 Bat	Nam Vaib		F			

Item No.	Agenda						
Decision	The Board of Governors approved the recommendation of the Senate for awarding the BS Degrees to above mentioned students.						
Senate 21.47.06	Students fulfilling requirements for the award of Int. PhD (MS+PhD) degree:						
Senate 21.47.06	Students fulfilling requirements for the award of Int. PhD (MS+PhD) degree:  1) Name of Student: Mr. Jaskaran Singh Nirankari Registration No.: MP13003 Registration: August 2013 Name of Supervisor: Prof. Arvind Title of the Thesis: Studies of quantum contextuality, Bell non-locality and their role in quantum key distribution protocols Date of Thesis Submission: March 04, 2021  Thesis Examination Committee: i) Prof. Arvind (Supervisor) ii) Prof. Arvind (Supervisor) iii) Prof. Arvind (Supervisor) iii) Prof. Marcin Pawloski, University of Gdansk, Poland (External) iii) Prof. Marcin Pawloski, University of Gdansk, Poland (External) Based on the recommendation of thesis examination committee viva-voce was conducted on June 02, 2021 Viva-voce Committee: i) Prof. Arvind (Convener) ii) Prof. Ravita Dorai iv) Dr. Mandip Singh The viva-voce committee has recommended that the MS & PhD degrees be awarded.  2) Name of Student: Mr. Joydip De Registration No.: MP13005 Registration: August 2013 Name of Supervisor: Dr. Santanu Kumar Pal Title of the Thesis: SELF-ASSEMBLED FUNCTIONAL DISCOTIC LIQUID CRYSTALS FOR LUMINESCENCE AND EFFICIENT CHARGE TRANSPORT Date of Thesis Submission: March 18, 2021  Thesis Examination Committee: i) Dr. Santanu Kumar Pal (Supervisor) ii) Prof. N. D. Pradeep Singh, IIT Kharagpur (External) iii) Prof. N. D. Pradeep Singh, IIT Kharagpur (External) iii) Prof. N. D. Pradeep Singh, IIT Kharagpur (External Examiner) iii) Dr. Santanu Kumar Pal (Convener) iii) Dr. O. Pradeep Singh, IIT Kharagpur (External Examiner) iii) Dr. D. Pradeep Singh, IIT Kharagpur (External Examiner) iii) Prof. N. D. Pradeep Singh, IIT Kharagpur (External Examiner) iii) Dr. O. D. Pradeep Singh, IIT Kharagpur (External Examiner) iii) Dr. D. D. Pradeep Singh, IIT Kharagpur (External Examiner) iii) Dr. O. D. Pradeep Singh, IIT Kharagpur (External Examiner)						
	iv) Dr. Sugumar V The viva-voce committee has recommended that the MS & PhD degrees be awarded.						
	3) Name of Student: Ms. Indu Bala Registration No.: MP13009 Registration: August 2013 Name of Supervisor: Dr. Santanu Kumar Pal						
	Title of the Thesis: FUNCTIONAL DISCOTIC LIQUID CRYSTALS THROUGH						

Item No.	Agenda
	MOLECULAR SELF-ASSEMBLY FOR APPLICATION IN ORGANIC ELECTRONIC DEVICES
	Date of Thesis Submission: March 12, 2021
	Thesis Examination Committee: i) Dr. Santanu Kumar Pal (Supervisor) ii) Prof. Sandeep Kumar, Raman Research Institute, C. V. Avenue, Bangalore (External) iii) Prof. SurajitDhara, University of Hyderabad (External) iv) Dr. John Mondal, CSIR- Indian Institute of chemical Technology, Hyderabad (External) Based on the recommendation of thesis examination committee viva-voce was conducted on June 07, 2021 Viva-voce Committee: i) Dr. Santanu Kumar Pal (Convener) ii) Prof. SurajitDhara, University of Hyderabad (External Examiner) iii) Dr. Ujjal Gautam iv) Dr. Sugumar V
	The viva-voce committee has recommended that the MS & PhD degrees be awarded.
	4) Name of Student: Mr. Mayank Saraswat Registration No.: MP13007 Registration: August 2013 Name of Supervisor: Dr. SugumarVenkataramani Title of the Thesis: Matrix-Isolation Infrared Spectroscopic and Computational Studies of Diazine Radicals Date of Thesis Submission: April05, 2021
	Thesis Examination Committee: i) Dr. SugumarVenkataramani (Supervisor) ii) Dr. Mahesh Sundararajan, Scientific Officer, Theoretical Chemistry Section, Bhabha Atomic Research Centre, Mumbai (External) iii) Dr. Manikandan Paranjothy, IIT Jodhpur (External) iv) Prof. E. Arunan, IIScBangalore (External) Based on the recommendation of thesis examination committee viva-voce was conducted on June 09, 2021 Viva-voce Committee: i) Dr. SugumarVenkataramani (Convener) ii) Prof. E. Arunan, IISc Bangalore (External Examiner) iii) Dr. Arijit Kumar De iv) Dr. P. Balanarayan
	The viva-voce committee has recommended that the MS & PhD degrees be awarded.
	5) Name of Student: Ms. Neha Nanda Registration No.: MP15006 CPI: 8.3 Registration: August 2015 Name of Supervisor: Dr. Mahender Singh Title of the Thesis: Structural aspects of planar braid groups Date of Thesis Submission: April 01, 2021
	Thesis Examination Committee: Dr. Mahender Singh (Supervisor) Dr. Madeti Prabhakar, IIT Ropar (External)

Item No.	Agenda
	Prof. Anderi Vesnin, Sobolev Institute of Mathematics, Russia (External) Prof. Mohamed Elhamdadi, University of South Florida, USA (External) Based on the recommendation of thesis examination committee viva-voce was conducted on June 09, 2021 Viva-voce Committee:
	Dr. Mahender Singh (Convener) Dr. Madeti Prabhakar, IIT Ropar (External Examiner) Dr. Pranab Sardar Dr. Shane D' Mello
	The viva-voce committee has recommended that the MS & PhD degrees be awarded.
	6) Name of Student:Mr. Manpreet Singh Registration No.: MP15009 CPI: 7.9 Registration: August 2015 Name of Supervisor: Dr. Mahender Singh Title of the Thesis: Algebraic structures in knot theory Date of Thesis Submission: April 12, 2021
	Thesis Examination Committee: Dr. Mahender Singh (Supervisor) Dr. Kashyap Rajeevsarathy, IISER Bopal (External)
	Prof. Seiichi Kamada, Osaka University, Japan (External)
	Prof. Rama Mishra, IISER Pune (External)
	Based on the recommendation of thesis examination committee viva-voce was conducted on June 19, 2021 Viva-voce Committee: Dr. Mahender Singh (Convener) Dr. Kashyap Rajeevsarathy, IISER Bopal (External Examiner)
	Dr. Pranab Sardar
	Dr. Shane D' Mello
	The viva-voce committee has recommended that the MS & PhD degrees be awarded.
	On the recommendations of the Senate, it is submitted to the Board of Governors to accord its approval for awarding the MS and PhD Degrees to the above mentioned students (Sr. No.1 to 4).
	Further, on the recommendations of the Chairperson, Senate, subject to ratification by the Senate, in its next meeting, it is requested to the Board of Governors to accord its approval for awarding the MS and PhD Degrees to the above mentioned students (from Sr. No.5 to 6).
Decision	The Board of Governors approved the recommendation of the Senate and Chairperson, Senate for awarding the MS and PhD Degrees to above mentioned students.
Senate 21.47.07	Students fulfilling requirements for the award of MS Degree:

Item No.	Agenda
	The requirement for awarding of the MS degree prescribed for these candidates is as follows: Coursework requirements: Completion of two year course work worth 88 credits with CPI at least 6.0.
	Thesis requirement: Acceptance of Thesis recommended by the viva-voce committee.
	1) Name of Student: Ms. B. Nivedha Registration No.: MP18002 CPI: 9.8
	Registration: August 2018 Name of Supervisor: Dr. Shravan Kumar Mishra Title of the MS Thesis: Role of the unconventional UBL Hub1 in pre-mRNA splicing
	MS Thesis Evaluation Committee:
	i) Dr. Shravan Kumar Mishra (Supervisor) ii) Prof. Anand K. Bachhawat
	iii) Dr. Rajesh Ramachandran Date of MS Thesis Submission (online on Moodle): May 28, 2021 Viva-voce was conducted on April 08, 2021
	The viva-voce committee has recommended that the MS degree be awarded.
	2) Name of Student: Mr. Ayush Jain Registration No.: MP18004 CPI: 9.2 Registration: August 2018
	Name of Supervisor: Dr.SharvanSehrawat Title of the MS Thesis: Attempt at elucidating the role of Galectin-3 in CD8 T cell biology during viral infection using nanobodies
	MS Thesis Evaluation Committee:
	i) Dr.SharvanSehrawat (Supervisor) ii) Dr.Mahak Sharma iii) Dr.Indranil Banerjee
	Date of MS Thesis Submission (online on Moodle): May 11, 2021 Viva-voce was conducted on April 08, 2021
	The viva-voce committee has recommended that the MS degree be awarded.
	3) Name of Student: Ms. Lakshita Registration No.: MP18006 CPI: 8.5
	Registration: August 2018 Name of Supervisor: Dr.Dipanjan Chakraborty
	Title of the MS Thesis: Implementation of Langevin Model for different potentials
	MS Thesis Evaluation Committee:
	i) Dr.Dipanjan Chakraborty (Supervisor) ii) Dr. Abhishek Chaudhuri
	iii) Dr. Rajeev Kapri Date of MS Thesis Submission (online on Moodle): May 28, 2021

Item No.	Agenda
	Viva-voce was conducted on April 20, 2021
	The viva-voce committee has recommended that the MS degree be awarded.
	4) Name of Student: Mr. Sourav Goyal
	Registration No.: MP18007 CPI: 8.4
	Registration: August 2018
	Name of Supervisor: Dr. Satyajit Jena Title of the MS Thesis: Estimation of pressure of Matter formed in Heavy-Ion Collision
	MS Thesis Evaluation Committee:
	i) Dr. Satyajit Jena (Supervisor)
	ii) Dr.Ambresh Shivaji iii) Dr.Anosh Joseph
	Date of MS Thesis Submission (online on Moodle): May 31, 2021
	Viva-voce was conducted on April 07, 2021
	The viva-voce committee has recommended that the MS degree be awarded.
	5) Name of Student: Ms. Mehak
	Registration No.: MP18008 CPI: 8.7
	Registration: August 2018
	Name of Supervisor: Dr. Monika Sharma
	Title of the MS Thesis: RNA Folding Algorithms
	MS Thesis Evaluation Committee:
	i) Dr. Monika Sharma (Supervisor)
	ii) Dr. Abhishek Chaudhuri
	iii) Dr. Shashi Bhushan Pandit
	Date of MS Thesis Submission (online on Moodle): May 28, 2021 Viva-voce was conducted on May 25, 2021
	The viva-voce committee has recommended that the MS degree be awarded.
	6) Name of Student: Mr. Koustav Ray
	Registration No.: MP18014 CPI: 9.6
	Registration: August 2018
	Name of Supervisor: Dr. Sudip Mandal
	Title of the MS Thesis: Understanding the impact of High Sugar diet in Intestinal Stem Cell
	Homeostasis in Drosophila melanogaster
	MS Thesis Evaluation Committee:
	i) Dr. Sudip Mandal (Supervisor)
	ii) Dr.Rhitoban Ray Choudhury
	iii) Dr.Lolitika Mandal Date of MS Thesis Submission (online on Moodle): May 27, 2021
	Viva-voce was conducted on April 08, 2021
	The viva-voce committee has recommended that the MS degree be awarded.

Item No.	Agenda
	7) Name of Student: Ms. Anshul Jain
	Registration No.: MP18018
	CPI: 8.5
	Registration: August 2018
	Name of Supervisor: Dr. Shane D' Mello
	Title of the MS Thesis: Complete Hyperbolic Structure on a Manifold
	MS Thesis Evaluation Committee:
	i) Dr. Shane D' Mello (Supervisor)
	ii) Dr. Mahender Singh
	iii) Dr. Pranab Sardar
	Date of MS Thesis Submission (online on Moodle): May 31, 2021 Viva-voce was conducted on April 19, 2021
	The viva-voce committee has recommended that the MS degree be awarded.
	8) Name of Student: Mr. Bhim Sen
	Registration No.: MP18019
	CPI: 7.0
	Registration: August 2018
	Name of Supervisor: Dr. K.P. Yogendran Title of the MS Thesis: Semiclassical Methods
	MS Thesis Evaluation Committee:
	i) Dr. K.P. Yogendran (Supervisor)
	ii) Dr.Kinjalk Lochan
	iii) Dr.Ambresh Shivaji
	Date of MS Thesis Submission (online on Moodle): May 24, 2021 Viva-voce was conducted on April 29, 2021
	The viva-voce committee has recommended that the MS degree be awarded.
	9) Name of Student: Mr. SaswataBhatacharyya
	Registration No.: MP18026 CPI: 9.5
	Registration: August 2018
	Name of Supervisor: Dr.Lolitika Mandal
	Title of the MS Thesis: Mechanistic basis of Wound healing in adult Drosophila melanogaster
	MS Thesis Evaluation Committee:
	i) Dr.Lolitika Mandal (Supervisor)
	ii) Dr. Sudip Mandal
	iii) Dr. Shashi Bhushan Pandit
	Date of MS Thesis Submission (online on Moodle): May 27, 2021 Viva-voce was conducted on April 08, 2021
	The viva-voce committee has recommended that the MS degree be awarded.
	10) Name of Student: Ms. Pallavi Joshi Registration No.: MP18031

Item No.	Agenda
	CPI: 9.6 Registration: August 2018 Name of Supervisor: Dr. Rajesh Ramachandran Title of the MS Thesis: Understanding the role of the Hippo-YAP Signaling Pathway in the Process of Retina Regeneration in Zebrafish
	MS Thesis Evaluation Committee:
	i) Dr. Rajesh Ramachandran (Supervisor) ii) Dr. SharvanSehrawat iii) Dr. Shashi Bhushan Pandit Date of MS Thesis Submission (online on Moodle): May 31, 2021 Viva-voce was conducted on April 09, 2021
	The viva-voce committee has recommended that the MS degree be awarded.
	On the recommendations of the Senate, it is submitted to the Board of Governors to accord its approval for awarding the MS Degree to the above mentioned students.
Decision	The Board of Governors approved the recommendation of the Senate for awarding the MS Degree to above mentioned students.
Senate 21.47.08	Students fulfilling requirements for the award of PhD Degree:
	1) Name of Student: Ms. Shilpa Dahake Registration No.: PH14049 Registration: January 2015 Name of Supervisor: Dr. Anu Sabhlok Title of the Thesis: Feral Ecologies of River: Politics of Infrastructure, Pollution, and Water Flows of the Godavari River in Nashik, India Date of Thesis Submission: December 29, 2020
	Thesis Examination Committee: Dr. Anu Sabhlok (Supervisor) Dr. Lalitha Kamath, Tata Institute of Social Sciences, Mumbai (External) Dr. Nikhil Anand, Department of Anthropology, University of Pennsylvania (External) Dr. Priyam Das, Department of Urban and Regional Planning, University of Hawaii at Manoa, Hawaii (External) Based on the recommendation of thesis examination committee viva-voce was conducted on May 11, 2021
	Viva-voce Committee: Dr. Anu Sabhlok (Convener) Dr. Lalitha Kamath, Tata Institute of Social Sciences, Mumbai (External Examiner) Dr. V. Rajesh Dr.RitajyotiBandopadhayay
	The viva-voce committee has recommended that the PhD degree be awarded
	2) Name of Student: Ms. Anuradha Singh Registration No.: PH15046 Registration: January 2016 Name of Supervisor: Dr. Kavita Babu
	Title of the Thesis: Understanding the role of DOP-2, a dopamine autoreceptor, in ethanol dependent locomotion of Caenorthabditis elegans

Item No.	Agenda
	Date of Thesis Submission: February 15, 2021
	Thesis Examination Committee: Dr. Kavita Babu (Supervisor) Dr. Beena Pillai, CSIR-IGIB, Delhi (External) Dr. Anuradha Ratnaparkhi, Agarkar Research Institute, Pune (External) Dr. Varsha Sing, IISc Bangalore (External) Based on the recommendation of thesis examination committee viva-voce was conducted on May 12, 2021
	Viva-voce Committee: Dr. Kavita Babu (Convener) Dr. Anuradha Ratnaparkhi, Agarkar Research Institute, Pune (External Examiner) Dr. Lolitika Mandal Dr. Rajesh Ramachandran The viva-voce committee has recommended that the PhD degree be awarded
	3) Name of Student: Mr. Arif Hassan Dar Registration No.: PH15216 Registration: January 2015 Name of Supervisor: Dr.JayamuruganGovindasamy Title of the Thesis: Design, Synthesis, and Studies of Luminescent Organic Non-planar Pushpull Chromophores Date of Thesis Submission: February 12, 2021
	Thesis Examination Committee: Dr. JayamuruganGovindasamy (Supervisor) Prof. N. Jayaraman, IISc Bangalore (External) Prof. Pinaki Talukdar, IISER Pune (External) Prof. JayarajNithyanandan, CSIR-National chemical laboratory, Pune (External) Based on the recommendation of thesis examination committee viva-voce was conducted on May 26, 2021
	Viva-voce Committee: Dr. JayamuruganGovindasamy (Convener) Prof. Pinaki Talukdar, IISER Pune (External Examiner) Dr. Asish Pal Dr. Prakash P. Neelakandan
	The viva-voce committee has recommended that the PhD degree be awarded
	4) Name of Student: Mr. Ashish Kumar Meena Registration No.: PH15036 Registration: January 2016 Name of Supervisor: Prof. Jasjeet Singh Bagla Title of the Thesis: Singularities in Gravitational Lensing Date of Thesis Submission: March 31, 2021
	Thesis Examination Committee: Prof. Jasjeet Singh Bagla (Supervisor) Prof. Mathias Bartelman, Institute of Theoretical Physics, Heidelberg (External) Prof. D. Narasimha, IIT Dharwad (External) Prof. Rajaram Nithyananda, Azim Premji University (External) Based on the recommendation of thesis examination committee viva-voce was conducted on May 31, 2020

Item No.	Agenda
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	Viva-voce Committee:
	Prof. Jasjeet Singh Bagla (Convener)
	Prof. Rajaram Nithyananda, Azim Premji University (External Examiner)
	Prof. Sudeshna Sinha
	Dr. H. K. Jassal
	The viva-voce committee has recommended that the PhD degree be awarded
	5) Name of Student: Ms. Komal Maggu
	Registration No.: PH14068
	Registration: January 2015
	Name of Supervisor: Prof. N. G. Prasad
	Title of the Thesis: Role of sexual selection and conflict in the evolution of reproductive
	traits: A study using populations of Drosophila melanogaster evolving under different
	operational sex ratios
	Date of Thesis Submission: April 06, 2021
	Thesis Examination Committee:
	Prof. N. G. Prasad (Supervisor)
	Dr. Ravi Ram Kristipati, CSIR- Indian Institute of Taxicology Research, Lucknow
	(External)
	Dr. Amanda Bretman, University of Leeds, UK (External)
	Prof. Adam Chippindale, Queen University, Canada( External)
	Based on the recommendation of thesis examination committee viva-voce was conducted on
	June 09, 2021
	Viva-voce Committee:
	Prof. N. G. Prasad (Convener)
	Dr. Ravi Ram Kristipati, CSIR- Indian Institute of Taxicology Research, Lucknow (External
	Examiner)
	Dr.Manjari Jain
	Dr.Rhitaban Ray Choudhury
	The viva-voce committee has recommended that the PhD degree be awarded
	6) Name of Student: Mr. Manvendra Pratap Rajvanshi
	Registration No.: PH16051
	Registration: August 2016
	Name of Supervisor: Prof. J. S. Bagla
	Title of the Thesis: Dark Energy Perturbations beyond linear perturbation theory
	Date of Thesis Submission: April 05, 2021
	Thesis Examination Committee:
	Prof. J. S. Bagla (Supervisor)
	Prof. Narayan Banerjee, IISER Kolkata (External)
	Prof. Ruth Durrer, Département de Physique Théorique, Université de Genève 24,
	Switzerland (External)
	Prof. M. Shami, Centre for Theoretical Physics, Islamia (External)
	Based on the recommendation of thesis examination committee viva-voce was conducted on
	June 10, 2021
	Viva-voce Committee:
	Prof. J. S. Bagla (Convener)
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Item No.	Agenda
	Prof. Narayan Banerjee, IISER Kolkata (External Examiner) Dr.Kinjalk Lochan Dr. H. K. Jassal
	The viva-voce committee has recommended that the PhD degree be awarded
	7) Name of Student: Mr. Krishna Kumar Yadav Registration No.: PH15215 Registration: January 2016 Name of Supervisor: Dr. Menaka Jha Title of the Thesis: Nanostructured Metal Borides: Synthesis and their Applications
	Date of Thesis Submission: March 11, 2020 Thesis Examination Committee: Dr. Menaka Jha (Supervisor) Prof. B. L. V. Prasad, CSIR- NCL, Pune Prof. S. Uma, University of Delhi Prof. Javier Vela, Lowa State University, USA
	Based on the recommendation of thesis examination committee viva-voce was conducted on June07, 2021 Viva-voce Committee: Dr. Menaka Jha (Convener)
	Prof. B. L. V. Prasad, CSIR- NCL, Pune(External Examiner) Dr. Vivek Bagchi (INST) Dr. Kiran S. Hazra (INST) The viva-voce committee has recommended that the PhD degree be awarded
	8) Name of Student: Ms. Rivi Verma Registration No.: PH12107 Registration: August 2012 Name of Supervisor: Dr.Shashi Bhushan Pandit Title of the Thesis: Nanostructured Metal Borides: A study on structural conservation of intra-chain domain interfaces: learning for modeling interface Date of Thesis Submission: December 15, 2020
	Thesis Examination Committee: i) Dr.Shashi Bhushan Pandit (Supervisor) ii) Prof. P. Gautam, AU-KBC Research Centre, Anna University, Chennai iii) Prof. G.P.S. Raghava, IIIT-Delhi iv) Dr. B. Anand, IIT-Guwahati
	Based on the recommendation of thesis examination committee viva-voce was conducted on June 09, 2021
	Viva-voce Committee: i) Dr.Shashi Bhushan Pandit (Convener) ii) Dr. B. Anand, IIT-Guwahati(External Examiner) iii) Dr. Kuljeet Singh Sandhu iii) Dr. Rajesh Ramachandran The viva-voce committee has recommended that the PhD degree be awarded
	9) Name of Student: Mr. Sanjit Mondal Registration No.: PH15009 Registration: January 2015 Name of Supervisor: Dr. Ujjal K. Gautam

Item No.	Agenda
	Title of the Thesis: Metal-free heterogeneous photocatalysts for solar energy harvesting Date of Thesis Submission: April 08, 2021 Thesis Examination Committee: Dr. Ujjal K. Gautam (Supervisor)
	Dr. Vivek Polshettiwar, TIFR Mumbai (External) Dr. Anshu Pandey, IISc Bangalore (External)
	Dr. Aditi Halden, IIT Mandi (External) Based on the recommendation of thesis examination committee viva-voce was conducted on June 16, 2021 Viva-voce Committee: Dr. Ujjal K. Gautam (Convener) Dr. Vivek Polshettiwar, TIFR Mumbai (External Examiner) Dr. Angshuman Roy Choudhury Dr. Arijit Kumar De The viva-voce committee has recommended that the PhD degree be awarded
	10) Name of Student: Mr. Soumen Ash Registration No.: PH14201 Registration: August 2014
	Name of Supervisor: Prof. H. N. Ghosh & Prof. Ashok K. Ganguli
	Title of the Thesis: INVESTIGATION OF TRANSITION METAL DICHALCOGENIDE BASED LAYERED SUPERCONDUCTORS
	Date of Thesis Submission: April 12, 2021 Thesis Examination Committee:  Prof. H. N. Ghoch & Prof. Ashok V. Gonguli (Supervisor)
	Prof. H. N. Ghosh & Prof. Ashok K. Ganguli (Supervisor) Prof. Sebastian C. Peter, JNCASR, Bangalore (External)
	Prof. S. Murugavel, University of Delhi (External)
	Prof. Arunava Gupta, University of Alabama, USA (External)
	Based on the recommendation of thesis examination committee viva-voce was conducted on June 19, 2021 Viva-voce Committee:
	Prof. H. N. Ghosh & Prof. Ashok K. Ganguli (Convener)
	Prof. S. Murugavel, University of Delhi (External Examiner)
	Dr. Suvankar Chakraverty
	Dr. Sonalika Vaidya
	The viva-voce committee has recommended that the PhD degree be awarded
	On the recommendations of the Senate, it is submitted to the Board of Governors to accord its approval for awarding the PhD Degree to the above mentioned students (from Sr. No.1 to 8).
	Further, on the recommendations of the Chairperson, Senate, subject to ratification by the Senate, in its next meeting, it is requested to the Board of Governors to accord its approval for awarding the PhD Degree to the above mentioned students (from Sr. No.9 to 10).
Decision	The Board of Governors approved the recommendation of the Senate and Chairperson, Senate for awarding the PhD Degree to above mentioned students.

Item No.	Agenda				
B.O.G.21.44.08	Proposal regarding books purchased by faculty members of IISER Mohali using their CPDA and extra-mural funds:				
	As per practice in vogue at IISER, faculty members purchase books, monographs and other forms of <i>technical</i> documentation using CPDA or extramural funds that are channeled through IISER Mohali and they maintain a record of these purchases. However, there is no <i>specific</i> policy on the disposal or retention of these books when the concerned faculty member leaves the institute or superannuates.  The books purchased by faculty are for their academic work (teaching and research). Over time, the faculty member concerned is able to use the books, in a <i>personalized</i> fashion, as a reference text. In many cases, the material in the books may become out of date, yet the concerned faculty member, through their knowledge and personal notes <i>is</i> able to utilize the book. However, its utility for <i>other</i> people decreases over time. Indeed, the Institute Library has little utility for such books, and the resale value of such (used) books is extremely small.				
	In the case of books in electronic form, their usage is tied to an individual user account. Typical license agreements for such accounts <i>do not allow</i> for the transfer of access to any other account.				
	Based on above, the following proposal may kindly be considered by the BoG for consideration and approval:  Books purchased by faculty from CPDA or extramural funds may be considered to depreciate at a fixed rate (say 15%) every year to account for reduction in general utility and resale value.				
	When books reach the value of zero, they can be retained by the concerned faculty member at no additional cost. No further records for these books need be maintained. If the book is desired to be retained by a faculty member superannuating, the remaining value post-depreciation of the book can be recovered. If the book is desired to be retained by a faculty member leaving the Institute, the option may be given to retain the book by paying the remaining value post-depreciation. However, if the member is leaving for another institute, then the usual norms for transfer of research/teaching assets to the other institute may also be applied at the choice of the concerned member.				
	<u>Comments of Bureau, MoE</u> : May be considered as per CPDA guidelines and GFR rules. Records of the books retained by the faculty members may be maintained.				
Decision	The BoG resolved that books purchased by faculty members from CPDA and extramural funds will be considered to depreciate at a fixed rate of 15% every year. When books reached the value of Zero, they can be retained by the concerned faculty member. However, the records of books retained by the faculty members will be maintained in the Library.				
B.O.G.21.44.09	Consideration of the appeal of Ms. Pallavi, Regn. No.PH15015				
	An appeal conceiving her PhD program received from Ms. Pallavi, Regn. No.PH15015 (attached as Annexure-II, Page Nos.67-86 of the Agenda) was placed before the Senate, IISER Mohali in its 45 <sup>th</sup> meeting held on 22.03.2021.  After considerable deliberations, the Senate decided that the appellant, Ms. Pallavi, may be asked to choose any one option, out of following three, that had been given to her by the Doctoral Committee regarding thesis submission, and that thereafter, the Committee will guide her towards submission of thesis.  1) Change her guide; Or 2) Write a solo author paper; Or 3) Write a co-authored paper				

Item No.	Agenda
	Instead of exercising any option, Ms Pallavi preferred an appeal to the Chairperson, BoG on 13 <sup>th</sup> April, 2021 through email.
	The Board of Governors has so far not been involved in matters pertaining to the merits of any case involving shortfall in academic performance of an individual student.
	As suggested by Chairperson, BoG, the appeal of Ms Pallavi is put up before the Board of Governors, as a special case, for discussion.
	<u>Comments of Bureau, MoE</u> : It is a Senate matter. The appellant may be asked to approach the Senate. The decision of Senate may be placed before BoG.
	The Director briefed the members on the facts of the matter, as detailed in the Agenda papers.
	During the discussions, members referred to the provisions relating to such matters in their own institutions. It was also discussed that the Senate, being the statutory body empowered to deal with academics matters, is the most appropriate forum for deciding on this matter.
Decision	The BoG resolved that since the Senate had given its decision after due diligence, it was not inclined to consider the matter further. Accordingly, the appeal is dismissed.
B.O.G.21.44.10	Appointment of Principal Technical Officer for Computer Centre, IISER Mohali
	As per practice in vogue at IISER Mohali, since its inception, a faculty member is designated as Faculty Incharge, Computer Centre. After every 03 years, a new faculty member replaces him/her as Faculty Incharge, Computer Centre Recently, the Institute has constituted an Advisory Committee for the Computer Centre with the following members:  1. Prof. Kapil Paranjape, Professor 2. Prof. Jasjeet Singh Bagla, Professor 3. Dr. Rajeev Kapri, Associate Professor
	4. Dr.Kuljeet Sandhu, Associate Professor
	The Advisory Committee recommended that in order to maintain continuity and uniformity in the policy and its implementation, there should be one non-faculty Incharge of the Computer Centre. The concerned officer will be designed as Principal Technical Officer, who will work under the guidance of the Advisory Committee. Some of the IISERs have a post of Principal Scientific Officer in PL-13, which is being re-designated as Principal Technical Officer as per the recommendations of Prof. Ajay Sood Committee constituted for draft CRRs for IISERs. In 41 <sup>st</sup> meeting, the Board of Governors has recommended to the MoE for creation of 85 non-faculty positions at IISER Mohali.
	It is proposed that from amongst the 85 recommended positions, one post of Physical Educational Instructor may be replaced with that of Principal Technical Officer. Being replacement, the number of positions will remain unchanged.
	The proposal is being put up before the Board of Governors for its consideration and approval. Approval is also sought for an appointment to this post being made on contract as per the IISER Statutes and norms of DoPT, govt. of India, pending sanction of the regular post.
	<u>Comments of Bureau, MoE</u> : It may be considered as per rules.
Decision	After detailed deliberations, the Board of Governors resolved that the Institute may explore the possibility to hire a suitable Consultant for meeting the requirements of the Institute.

Item No.	Agenda
B.O.G.21.44.11	Faculty promotion at IISER Mohali
	Presently, there is no promotion policy with regard to the faculty at IISER Mohali. Such policies in vogue at other educational institutions of national importance like IISc were studied and a draft proposal was prepared which was vetted by the Committee of Professors of IISER Mohali.
	The proposal submitted by the committee (attached as Annexure-III, Page Nos.87-89) is being put up before the Board of Governors for its consideration and approval.
	Comments of Bureau, MoE: It may be considered as per rules.
	The Director briefed all members on the proposal of the Institute. He mentioned that IISc Bangalore and IIT Bombay have such arrangements of promotions for their faculty members and that the scheme being proposed here has been formulated after internal discussions with the Committee of Professors and the faculty. Detailed discussions were then held on a variety of matters viz. provisions relating to such arrangements in other centrally funded educational institutions; ordinary residency period for promotions from Assistant Professor to Associate Professor and from Associate Professor to Professor; quantity and quality of Referees' reports (national and international), whether there would be in-person interaction of the candidate with the Assessment Committee, composition of Assessment Committee with regard to Core members and subject-specific experts, etc.
Decision	After detailed deliberations, the Board of Governors agreed, in principle, with the proposal for a faculty promotion policy in the Institute. The BoG desired that a comprehensive document comprising all details as discussed above, be prepared by the Institute which after approval by the Chairperson may be sent to all members of the BoG to obtain their approval by circulation.
B.O.G.21.44.12	Modified Advanced Career Progression scheme
	Consequent to the approval of the BoG in 43 <sup>rd</sup> meeting, a committee for grant of MACP was constituted by the Director. The Committee examined the cases of the employees fulfilling the eligibility upto 31 <sup>st</sup> December 2021. The recommendations of the committee will be placed on table.
	The Board of Governors is requested to approve the recommendations of the committee.
	<u>Comments of Bureau, MoE</u> : The recommendations of the Committee for grant of MACP may be approved as per extant rules/instructions on MACP.
	The Director informed that Department Screening Committee, constituted to examine the eligibility of the employees for MACP, has sought more time to submit its recommendations and requested that this agenda item may be deferred for next meeting.
Decision Decision	The Board of Governors deferred the agenda item for its next meeting.
Ratification: B.O.G.21.44.13	Deputation of Prof. Arvind, Department of Physical Sciences to Punjabi University Patiala
	Prof. Arvind has been appointed as Vice-Chancellor of Punjabi University, Patiala. Following approval of the Chairperson, BoG, he was relieved on deputation on the condition that the approval to proceed on deputation is subject to the acceptance of the deputation Terms and Conditions by the Punjabi University Patiala/Govt. of Punjab, failing which, Prof. Arvind will be permitted to proceed on Extra Ordinary Leave, the terms for which will be intimated separately. The period of deputation shall be for the duration of his appointment as Vice-

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	Chancellor and in no case, it shall exceed 3 years. Prof. Arvind was relieved on 26.04.20 (F/N) to join his new assignment (attached as Annexure-IV, Page Nos:90-91 of the Agenda)					
	<u>Comments of Bureau, MoE</u> : It may be noted.					
Decision	Ratified with modification that the following clause be deleted: " and in no case, it shall exceed 3 years" (in Clause 2 of Terms and Conditions of the Deputation).					
Reporting:						
B.O.G.21.44.14	Financial position as	on 10.06.202	21:			
	(Rs. In Lakh)					
	PARTICULARS	Opening Balance as on 01.04.21 (Prov.)	Grant-in- Aid Received during 2021-22	Total Available (incl. Opening Balance)	Expenditure incurred during 2021-22	Closing Balance as on 10.06.21
	(A) General OH- 31	561.54	400.00	961.54	807.25	154.29
	(B) Capital OH-	246.75	325.00	571.75	75.74	496.01
	(C) Salary OH-36 Grand Total	1357.50 <b>2165.79</b> *	800.00 <b>1525.00</b>	2157.50 <b>3690.79</b>	871.43 <b>1754.42</b>	1286.07 <b>1936.37</b>
	*Note - Since the A finalised, the figur deemed provisiona Annual Statement  Comments of Burea	es pertainin d and may of Accounts	g to Openin change a l	g Balance for till	or the year 2021	-22 may be
Decision	Comments of Burce	<i>in, mol</i> . it i	nav ne noieo			
Decision	-		nay be noted			
	Noted.  Appointment of Ho Physical Sciences at I	norary and	Adjunct F		epartments of	Biological an
	Noted.  Appointment of Ho Physical Sciences at I  Based on proposals recommendations of the been appointed as Ac 01.06.2021: -	norary and USER Moha s received he Deans and djunct Facul	Adjunct Falli from the dispective districtly Honorary	Department Heads of the y Professor	s concerned a Departments, the for a period of	nd subseque following ha
	Noted.  Appointment of Ho Physical Sciences at I  Based on proposals recommendations of the been appointed as A	norary and ISER Moha s received he Deans and djunct Facul Name of Prof. Ar	Adjunct Fali from the	Department Heads of the y Professor	s concerned a Departments, the	nd subseque following ha 03 years w.e Faculty
B.O.G.21.44.15	Noted.  Appointment of Ho Physical Sciences at I  Based on proposals recommendations of the been appointed as Au 01.06.2021: -  S. No. Department  Physical Sciences  3 4 5	norary and ISER Moha  s received he Deans and djunct Facul  Name of Prof. Al Prof. N Prof. R Prof. V	Adjunct Fali from the difference of faculty memorindam Ghoshijay Balakrishijasim Kanekan. Simon	Department Heads of the y Professor hbers na Shenoy	s concerned a Departments, the for a period of  Position Adjunct Adjunct Adjunct Adjunct Adjunct Adjunct Adjunct	nd subseque following have 03 years w.e.  Faculty Faculty Faculty Faculty Faculty Faculty Faculty
	Noted.  Appointment of Ho Physical Sciences at I  Based on proposals recommendations of the been appointed as At 01.06.2021: -  S. No. Department  1 Physical 2 Sciences 3 4	norary and (ISER Moha)  s received he Deans and djunct Facul  Name of Prof. Ar Prof. V. Prof. R Prof. V. Prof. Pa Prof. Pa Prof. So	Adjunct Falli from the difference of faculty memorindam Ghoshijay Balakrishijasim Kanekar	Department Heads of the y Professor hers na Shenoy ajumder Balaram	s concerned a Departments, the for a period of  Position Adjunct Adjunct Adjunct Adjunct Adjunct Honorar	nd subseque following have 03 years w.e.  Faculty Faculty Faculty Faculty Faculty Faculty y Professor y Professor Faculty

Item No.	Agenda  Comments of Bureau, MoE: It may be noted.			
Decision	Noted.			
B.O.G.21.44.16	Constitution of Research Advisory Committee (RAC) for IISER Mohali			
	The Chairperson, following Research A. w.e.f June 1, 2021.	Board of Governors, IISER Moh Advisory Committee (RAC) for IISER Moha	, 11	
	<ul> <li>3. Prof. Pras</li> <li>4. Dr. Sanjee</li> <li>5. Prof. T. R</li> <li>6. Dean R&amp;</li> <li>7. Associate</li> </ul>	n Ramasamy ad Bharatam ev Khosla		
Decision	Noted.			
B.O.G.21.44.17	Appointments as Dean R&D, Associate Dean R&D and Associate Dean Students			
	Drs. Vijaya Anand, Rachna Chaba and Dipanjan have been appointed as Dean Research & Development, Associate Dean Research & Development and Associate Dean Students, respectively.  **Comments of Bureau, MoE*: It may be noted.**			
Decision	Noted.			
B.O.G.21.44.18	Pending Items of the previous BoG meetings:			
	Item No.	Item Name	Action Taken	
	B.O.G.20.39.6	Payment of Retirement Gratuity and Death Gratuity	Response from Ministry is awaited	
	B.O.G.20.39.8(c)	Recovery of Legal Expenses from the Former Director	Response from Ministry is awaited	
	B.O.G.20.40.19	Approval of Draft Recruitment Rules for IISERs pending with MHRD for its approval.	Approval from Ministry is awaited.	
	B.O.G.20.41.05	Enhancement of Travelling Allowance	Approval from Ministry is awaited.	
	B.O.G.20.41.07	Creation of faculty and non-faculty positions at IISER Mohali	Approval from Ministry is awaited.	
	<u>Comments of Bureau, MoE</u> : It may be noted.			
Decision	Noted.  During discussion on this agenda item, the Registrar reiterated that the matter pertaining to two nominations on BoG i.e. Council's nominee and Director of one of the IITs is also pending with the MoE. Representative of MoE informed that the matter is under consideration and nominations will be made soon			

Item No.	Agenda		
B.O.G.21.44.19	Annual Performance Appraisal Reports (APAR) for non-faculty employees of the Institute		
	The Institute has formulated Annual Performance Appraisal Reports (APAR) format for non-teaching/technical staff (all Groups-A, B & C) which has been designed by incorporating criteria followed at CFEIs/DoPT/CSIR (attached as Annexure-V, Page Nos.92-109 of the Agenda)  Comments of Bureau, MoE: It may be noted.		
Decision	Noted.		
B.O.G.21.44.20	Any other item with the permission of the Chair: NIL		
	Comments of Bureau, MoE: Not yet received and un-tabled agenda items need to be		
	discouraged.		
	The meeting ended with the vote of thanks to the Chair.		

Sd/-Director IISER Mohali Sd/-Chairperson BoG, IISER Mohali Sd/-Secretary BoG, IISER Mohali