

JADAVPUR UNIVERSITY
Faculty of Engineering & Technology

Date: December 15, 2018

N O T I C E

As directed by the Vice-Chancellor the next meeting of Doctorate Committee (Engg./Pharm.) will be held on **26th February, 2019 at 3-00 p.m.** in the Committee Room No. 1 of the University.

Members are requested to make it convenient to attend the meeting.

(Dr. B. Karmakar)
Principal Secretary, F.E.T.

Agenda:

A) To submit the confirmed minutes of the last Doctorate Committee meeting held on 20.12.2018.

(Annexure – A)

B) To consider and approve, for onward transmission to E.C., the panel of Examiners for adjudication of the theses submitted by the following candidates for the Ph.D. (Engg./Pharm) degree of this University and also for their viva-voce examination :

SL.	Name of the candidate Date of Registration Date of Submission	Name of the Supervisor/s	Title of the Thesis	Remarks
1	Sanjoy Kumar Mukherjee D.R. 07.10.2015 D.S. 04.09.2019	Dr. Sivaji Bandyopadhyay C.S.E. Dept., J.U.	Representation, Predictive Modeling and Provenance Path Learning of Trusted Message Records in New Reports Analysis and Econometric Modeling.	
2	Niloy Bhattacharjee D.R. 06.02.2013 D.S. 15.11.2018	Dr. Saikat Dewanjee Pham. Tech. Dept., J.U.	Phytochemical and Pharmacological Screening of <i>Sansevieria Roxburghiana</i> Schult. (Family: Agavaceae).	
3	Debayan Goswami, D.R. 12.09.2012 D.S. 15.11.2018	Dr. Pulok K Mukherjee Pham. Tech. Dept., J.U. & Dr. D. Chattopadhyay, Director & Scientist-G, ICMR- National Inst. of Traditional Medicine.	Lead Finding from Indian Medicinal Plants for Antiviral Potentials.	
4.	Tanmoy Guria D.R. 10.01.2013 D.S. 03.01.2019	Dr. Tapan Kr. Maity Pham. Tech. Dept., J.U.	Design, Synthesis and Pharmacological Screening of Hybrid Urea/Thiourea Derivatives as Potential Antihyperglycemics.	
5	Samir Malakar D.R. 02.05.2013 D.S. 03.01.2019	Dr. Mita Nasipuri & Dr. Ram Sarkar, C.S.E. Dept, J.U.	A study on Textual Content Analysis in Handwritten Documents.	
6.	Avijit Ghosh D.R. 23.04.2013 D.S. 21.01.2019	Dr. Subhasis Neogi Mech. Engg. Dept., Aliah Univeristy & Dr. Arup Ghosh	Study on the Energy Performance of Blended Concrete as Cladding Material in a Building System.	
7	Hareram Lohar D.R. 15.06.2015 D.S. 04.02.2019	Dr. Anirban Mitra, Mech. Engg. Dept., J.U. & Dr. Sarmila Sahoo H.I.T., Kolkata	Static and Dynamic Behavior of Axially Functionally Graded Structural Elements with Different Boundary Conditions.	

8	Rajib Sarkar D.R. 25.03.2014 D.S. 04.02.2019	Dr. Sanjoy Kumar Saha C.S.E. Dept., J.U.	On Multi-aspect Classification of Music Data.	
9	Suchibrata Ray D.R. 04.04.2014 D.S. 31.01.2019	Dr. Debamalya Banerjee Prod. Engg. Dept., J.U. &	Optimization of Cotton Melange Yarn Manufacturing for Better Quality and Product	
10	Sibsankar Dasmahapatra D.R. 02.07.2015 D.S. 05.02.2019	Dr. Dipankar Sanyal & Dr. Rana Saha Mech. Engg. Dept., J.U.	Adaptive Sliding Mode Controls with Input-Linearization for Electrohydraulic Systems.	
11	Soumyo Chatterjee D.R. 25.04.2016 D.S. 22.01.2019	Dr. Sayan Chatterjee E.T.C.E. Dept., J.U.	Analysis and Design of Non Uniformly Excited Antenna Arrays Using Evolutionary Algorithms in Restricted Search Space.	
12.	Kaushik Biswas D.R. 26.06.2012 D.S. 04.02.2019	Dr. Joydeep Mukherjee, School of Environmental Studies, J.U.	A Mangrove Actionbacterium of Sundarbans: Taxonomical Identification, Exploration of Metabolite Production and Biological Activities.	
13	Mihir Dam D.R. 31.01.2013 D.S. 21.01.2019	Dr. Manotosh Biswas E.T.C.E. Dept., J.U.	Experimental and Theoretical Investigation of Characteristics of Triangular Patch Antennas on Composite, Suspended and Multilayered Media.	
14	Priyanka Datta D.R. 09.02.2015 D.S. 25.01.2019	Dr. Achantya Mukhopadhyay & Dr. Koushik Ghosh, Mech. Engg. Dept., J.U.	Experimental and Numerical Analysis of Rapid Condensation Phenomenon.	
15	Jitendra Patra D.R. 08.02.2012 D.S. 06.02.2019	Dr. Amitava Datta Power Engg. Dept. J.U. & Dr. Swarnendu Sen, Mech. Engg. Dept., JU	Experimental Characterization of Liquid Fuel Spray and Thermal Analysis of a Can Type Combustor.	

C) To consider the applications/recommendation of following candidate/s requesting to change title of their Ph.D. (Egg./Pham) theses as recommended by their respective Research Committee or Supervisor/s:

Candidate	Date of Application / Date of Recommendation of Research Committee	Date of Registration	Recommended by Research Committee OR Recommended by Supervisor/s	Name of the Supervisor/s	Approved Title at previous	Recommended Change Title
1) Arnab Ghosh	05.02.2019	26.09.2014	Recommended by the Research Committee	Dr. Niladri Chakraborty Power Engg. Dept., J.U.	<i>Smart Grid WSN Based Power Measurement.</i>	Performance Analysis of Optimised Wireless Sensor Network in Indoor Environment.
2) Siddhartha Bannerjee	18.01.2019	13.08.2012	Recommended by the Research Committee	Dr. Sanjoy Kr. Saha, C.S.E. Dept., J.U. & Dr. Pravash Chakraborti Met. & Mat. Engg. Dept. J.U.	<i>Segmentation of Micrograph and Fractograph for Analyzing Mechanical Properties.</i>	Image Analysis of Micrograph and Fractograph for Material Characterization.

3) Alokanda Banerjee	18.01.2019	20.05.2014	Recommended by the Supervisor/s	Dr. Suchandra Bardhan Arch Dept. JU & Dr. Santosh Ghosh, President, Centre for Built Environment.	<i>Urban & Peri-Urban Agriculture: Exploring Pathways to Resilient Cities and Communities in Indian Context.</i>	Exploring Pathways to Socio-Ecological Resilience of Urban Wetlands in Indian Context.
4) Dolanchapa Sikdar	18.01.2019	03.09.2015	Recommended by the supervisor/s	Dr. Papita Das Chemical Engg. Dept. JU	<i>Treatment of Fluorided Containing Water Bodies through Nano-Particle Based Remediation and Bioremediation by Microorganism.</i>	Integral Approach of Dye and Fluoride Separation from Water Using Biomass Based Adsorbent.
5) Rajib Malik	07.01.2019	02.01.2015	Recommended by the supervisor/s	Dr. Saswati Majumdar Elect. Engg. Dept., J.U. & Dr. Kalyan Kr. Ray, Former Professor, E. E. Dept., JU	<i>Studies on Development of Higher-efficiency Solar-powered Street Light Control and Monitoring System with Wireless Communication Capabilities.</i>	Studies on Development of a Solar-Powered, Colour-Tunable and Smart Outdoor LED Lighting System with Wireless Control.
6) Subrata Mahata	11.01.2019	09.04.2012	Recommended by the supervisor/s	Dr. Bijoy Bhattacharyya Prod. Engg. Dept., JU	<i>Experimental Analysis of Electrochemical Micromachining Process During Generation of Two Dimensional Microprofiles.</i>	Experimental Analysis of Through Mask Electrochemical Micromachining Process for Generation of Micro-textured Surfaces.

D) To consider of the applications of the following candidate/s with requisite recommendation by their respective Supervisor/s for extension of the validity of Ph.D. (Engg./Pharm.) registration of the following candidates :

Candidate	Date of Application	Name of Supervisor/s	Date of Registration	Extension may be sought till	Remark
1) Tapasi Polley,	12.02.2019	Dr. Uma Ghosh F.T.B.E. Dept., J.U.	06.03.2014	05.03.2020 (First Extension)	
2) Katta V Subrahmanyam	26.12.2018	Dr. S. Pal & Dr. Sunita Halder nee Dey Elect. Engg. Dept., J.U.	30.12.2013	29.12.2019 (First Extension)	
3) Swapnendu Chatterjee	04.01.2019	Dr. Rajat Chakraborty Chemical Engg. Dept., J.U	18.02.2014	17.02.2020 (First Extension)	
4) Punam Mukhopadhyay	04.01.2019	Dr. Rajat Chakrabortly Chemical Engg Dept. JU	21.02.2014	20.02.2020 (First Extension)	
5) Sharanbasappa B. Belamgi	09.01.2019	Dr. Sudhabindu Ray E.T.C.E. Dept., J.U.	21.01.2013	20.01.2020 (Last Extension)	

6) Subhas Chandra Moi	25.01.2019	Dr. Asish Bandyopadhyay & Dr. Pradip Kr. Pal Mech. Engg. Dept., JU & Dr. Ramesh Rudrapati	09.04.2014	08.04.2020 (First Extension)	
7) Dwaipayan De	04.02.2019	Dr. Asish Bandyopadhyay & Dr. Titas Nandi Mech. Engg. Dept., J.U.	14.05.2014	13.05.2020 (First Extension)	
8) Shubhasree Biswas (Sett)	08.02.2019	Dr. Chayanika Bose E.T.C.E. Dept., J.U.	26.04.2013	25.04.2020 (Last Extension)	
9) Dipayan Nath	28.01.2019	Dr. Saswati Mazumdar Elect. Engg. Dept., J.U. & Ms. Sudeshna Mukhopadhyay	29.01.2013	28.01.2020 (Last Extension)	

E) To consider the application dated 16.01.2019 of Smt. Rohini Basak for inclusion of Prof. Alexander Gelbukh, Instituto Politecnico Nacional (IPN), Mexico as the co-supervisor of her research work along with her present supervisor Dr. Sudip Kr. Naskar, C.S.E. Dept., J.U., it was also forwarded by Dr. Sudip Kr. Naskar. Smt. Rohini Basak was registered as a Ph.D. scholar on 06.01.2017

F) To consider the proposal for Inclusion of co-supervisor of the following candidates, which was approved by the concerned Ph.D. Research Committee of Mechanical Engg. Dept. held on 28.01.2019;

Sl. No.	Name of the Candidates	Name of the Supervisor	Name of the Co-Supervisor
1	Soumitra Pagti	Dr. Sudipta De, Professor, Mech. Engg. Dept., JU	Dr. Ranjana Choudhury, Professor, Ch.E. Dept. JU
2.	Gunjan Kumar	Dr. Sudipta De, Mech. Engg. Dept. J.U.	Dr. Biswajit Thakur, Associate Prof., Civil Engg. Dept., Meghnad Saha Inst. Of Technology, Kolkata.
3.	Tripuresh Deb Singha	Dr. Amit Karmakar, Professor, Mech. Engg. Dept., J.U.	Dr. Tanmoy Bandyopadhyay, Mech. Engg. Dept., J.U.

G) To consider the Research Advisory Committee (RAC) of Raktim Dasgupta and Sonali Roy Choudhury, supervisor of Prof. Sadhan K. Ghosh, Mechanical Engg. Dept., which was approved by the PRC meeting of Mechanical Engg. Dept., J.U. held on 28.01.2019.

H) To consider the Research Advisory Committee (RAC) of following candidates, approved by the Ph.D. Research Committee meeting of E.T.C.E. Dept. held on 30.01.2019:

Sl.No.	Name of the Candidate	Date of Registration	Name of the Supervisor
1	Soumishila Mitra	05.06.2018	Prof. Amit Konar
2.	Anirban Dutta Choudhury	08.06.2018	Prof. Ananda S. Chowdhury

I) To consider the Research Advisory Committee (RAC) of following candidates, approved by the Ph.D. Research Committee meeting of Electrical Engg. Dept. held on 28.12.2018:

Sl.No.	Name of the Candidate	Date of Registration	Name of the Supervisor
1	Rishiraj Sarkar	18.08.2016	Dr. Sudipta Debnath
2	Basudeb Das	22.05.2018	Dr. Saswati Mazumdar
3	Anagha Bhattacharya	21.06.2016	Dr. Swapan Kumar Goswami
4	Subrata Mandal	21.06.2018	Dr. Madhab Roy
5	Swetadri Ghosh	06.06.2018	Dr. Kesab Bhattacharya
6	Nikhil Mondal	23.05.2018	Dr. Biswendu Chatterjee
7	Swati Suman	23.05.2018	Dr. Debashis Chatterjee
8	Biswajit Biswas	23.05.2018	Dr. Biswanath Roy
9	Rakesh Das	15.06.2018	Dr. Kesab Bhattacharya

J) To ratify the approval of Dean, F.E.T. regarding Research Advisory Committee (**RAC**) of following candidates, approved by the Ph.D. Research Committee meeting of Power Engg. Dept. held on 14.12.2018:

Sl.No.	Name of the Candidate	Date of Registration	Name of the Supervisor
1	Amitava Dutta	31.05.2018	Prof. Apurba K. Santra
2.	Subhashree Prusty	01.06.2018	Prof. Ranjan Ganguly
3	Mayurakhshi Mandal	29.03.2018	Prof. Amitava Datta
4	Angshuman Roy	19.06.2018	Dr. Subrata Mandal
5	Subhadwip Saha	26.06.2018	Dr. Subrata Mandal
6	Pinbaki Dhar	14.06.2018	Prof. Niladri Chakraborty

K) To consider the proposal for Inclusion of Co-Supervisor of the following candidates, which was approved by the concerned Ph.D. Research Committee meeting of Computer Sc. & Engg. Dept. held on 11.01.2019:

Sl. No.	Name of the Candidates	Name of the Supervisor	Name of the Co-Supervisor
1	Arindam Giti	Prof. Sarmistha Neogy	Dr. Subrata Dutta, Asst. Professor, Computer Sc. & Engg. Dept., N.I.T. Jamshedpur.
2	Anindita De Sarkar	Dr. Chitrita Chaudhuri	Dr. Ajanta Das, Professor, Dept. of CSE U.E.M., Kolkata.
3	Sumit Gupta	Dr. Chitrita Chaudhuri	Dr. Ujjwal Maulik, :Professor, CSE Dept, J.U.
4	Md. Ismail	Prof. J. K. Sing	Dr. Santanu Chatterjee, Scientist D, DRDO, Hyderabad.
5	Rahul Roy	Prof. Susmita Ghosh	Dr. Ashish Ghosh, Professor, MIU, ISI.
6	Satya Ranjan Das	Prof. Nandini Mukherjee	Prof. Bhabani Prasad Sinha, Distinguished Professor (S'O'A D.U.) Former Professor, ISI, Kolkata.
7	Uddalok Sen	Prof. Nandini Mukherjee	Dr. Madhulina Sarkar, Asst. Professor, Govt. College of Engg. & Textile Tech., Berhampore, West Bengal.

L) To consider the Research Advisory Committee (**RAC**) of following candidates, approved by the Ph.D. Research Committee meeting of Architecture Dept. held on 22.01.2019:

Sl.No.	Name of the Candidate	Date of Registration	Name of the Supervisor
1	Suman Mandal	31.05.2018	Prof. Sanjib Nag
2	Sanghamitra Sarkar	25.04.2018	Prof. Sanjib Nag
3	Shreeja Ganguly	11.05.2018	Dr. Mainak Ghosh
4	Namrata Talukdar	03.05.2018	Dr. Mainak Ghosh
5	Farha Shermin	08.05.2018	Dr. Mainak Ghosh
6	Sayak Nag	24.04.2018	Prof. Jayita G. Niyogi
7	Parikhit Biswas	13.04.2018	Prof. Jayita G. Niyogi

M) To consider the letter dated 27.01.2019 of Dr. Apurba Kabasi, Technical Adviser & Consultant Medical Physicist cum Radiation Safety Officer, Radiotherapy, the Co-Supervisor of Sri Manas Kumar Pathak, Production Engg. Dept., J.U. Dr. Apurba Kabasi was informed that he was unable to continue Ph.D. supervision of Sri Manas Kumar Pathak due to his personal reasons and acute shortage of time. Prof. Soumya Sarkar, Production Engg. Dept., J.U. other supervisor of Sri Manas Kumar Pahak was agreed to act as a sole supervisor in respect of the above candidate.

N) To discuss on the application of Sri Souvik Debnath, who was registered on 14.09.2012 under the supervisor on of Dr. Tapan Kumar Chatterjee, former Professor of Pham. Tech. Dept. Sri Souvik Debnath is requesting for extension of his Ph.D. registration period from September-2019 to March or September 2020 (6 months to 1 one year) due to his SERB-OVDF fellowship programme for Purdue University, Indiana, USA. But his seven year duration will be completed in September 2019 as Ph.D. rules and regulation of the University.

(Note: The application was forwarded by Prof. Tapan Chatterjee and also noted by Dean, F.E.T. and V.C. Sir.)

O) To discuss on the application of Sri Shawata Mukherjee, who was registered as a Ph.D. Scholar on 04.01.2012 under the supervision of Prof. Saroj Mandal, Civil Engg. Dept., J.U. and Dr. Uday Bhanu Adhikari, Ex. Scientific Officer, CGCRI. Sri Shawata Mukherjee is requesting to grand a special extension of his Ph.D. registration period 2-3 months maximum from the last date of submission i.e. 03.01.2019 due to last 3 months he was medically unfit.

(Note: The application was forwarded by Supervisors)

P) To discuss on the letter of JUSRA dated 08.02.2019 addressed to the Vice-Chancellor regarding application of Smt. Swatilekha Roy.

Q) To discuss the application of Sri Sujit Saha, who was registered as a Ph.D. Scholar under the supervision of Prof. Balaram Kundu, Mechanical Engg. Dept., J.U. on 23.04.2018.

R) **Any other matter.**