

# INDIAN INSTITUTE OF TECHNOLOGY INDORE

IIT/Acad/PSPC/Spring 2016/2015-16

June 29, 2016

## NOTICE

### **Subject: Constitution of PG/ PhD Student's Progress Committee (PSPC)**

Based on the application received for constitution of PG/ PhD Student's Progress Committee (PSPC). The committee has been constituted for the following students with immediate effect.

#### PhD

#### **Computer Science and Engineering**

S. no.	Name	Roll no.	Supervisor(s)	Committee Members	Theme of proposed work
1	Mr. Rishi Mathur	1501101004	Dr. Gourinath Banda	Dr. Neminath Hubballi Dr. Dr. Vimal Bhaita	Internet of Things
2	Mr. Deepak Kachave	1501101009	Dr. Anirban Sengupta	Dr. Surya Prakash Dr. Santosh Kumar Vishwakarma	Security and Reliability Aware High Level Synthesis
3	Mr. Aditya A. Shastri	1501201001	Dr. Kapil Ahuja	Dr. Aruna Tiwari Dr. Trapti Jain	High performance computing for Big Data
4	Mr. Ram Prakash Sharma	1501201003	Dr. Somnath Dey	Dr. Dr. Surya Praksh Dr. Vivek Kanhagad	Quality enhancement of Biometric Image
5	Mr. Dipanjan Roy	1501201007	Dr. Anirban Sengupta	Dr. Abhishek Srivastava Dr. Manavendra Mahato	Security and Protection of IP Core at behavioral level.

#### **Electrical Engineering**

S. no.	Nam	Roll no.	Supervisor(s)	Committee Members	Theme of proposed work
1	Mr. Ravindra Dhakad	1501102004	Dr. Amod C. Umarikar Dr. Trapti Jain	Dr. Srivatsan Vasudevan Dr. Devendra Deshmukh	Operation and control of converters in Electric Vehicles
2	Ms. Pooja Bohara	1501102006	Dr. Santosh Kumar Vishwakarma	Dr. M. Anbarasu Dr. Ruchi Sharma	Application based system designing for Internet of Things.
3	Mr. Vinay Kumar Tiwari	1501102021	Dr. Amod C. Umarikar Dr. Trapti jain	Dr. Santosh Kumar Vishwakarma Dr. Surya Prakash	Power Quality Monitoring And Analysis
4	Mr. Biswajit Mondal	1501202002	Dr. Shaibal Mukharjee	Dr. Mukesh Kumar Dr. Tushar Kanti Mukherjee	Hybrid Bio-chemical Sensor
5	Ms. Nivedita Jaiswal	1501202004	Dr. Abhinav Kranti	Dr. Prabhat Kumar Upadhayay Dr. Bhupesh Lad	Design Optimization of Nanoscale Transistors

**Material Science & Engineering**

S. no.	Name	Roll no.	Supervisor(s)	Committee Members	Theme of proposed work
1	Ms. Rukshana Pervin	1501181001	Dr. Somaditya Sen Dr. Parasharam M. Shirage	Dr. I. A. Palani Dr. Sanjay K. Singh	Single Crystal Growth and Characterization of superconducting NbSe <sub>2</sub>
2	Mr. Alfa Sharma	1501181005	Dr. Sanjay K. Singh Dr. Parasharam M. Shirage	Dr. Bishwarup Pathak Dr. Vipul Singh Dr. Mirja S. Baig	Synthesis and Characterization of materials for sensors.
3	Mr. Kaushik Natarajan Usha	1501181006	Dr. Shaikh M. Mobin Dr. Santosh Kumar Vishwakarma	Dr. Biswarup Pathak Dr. Sampak Samantha	Nano materials – based devices for practical applications

**BSBE**

S. no.	Name	Roll no.	Supervisor(s)	Committee Members	Theme of proposed work
1	Mr. Ritudhwaj Tiwari	1501171001	Dr. Debasis Nayak	Dr. Amit Kumar Dr. Srivatsan Vasudevan	Reverse Genetics Approach to Make Viral Vaccines.
2	Ms. Rinki Singh	1501171003	Dr. Sudeshna Chattopadhyay	Dr. S. Dhinakaran Dr. Surya Prakash	Bio-instrumentation for disease diagnostics: development of point of care platform for disease like Gastroesophageal Reflux Disease ( GERD) etc.
3	Ms. Monika Jain	1501171004	Dr. Prashant Kodgire	Dr. Amit Kumar Dr. Debasis Nayak	Activation induced cytidine deaminase (AID) and Somatic hyper mutation of Ig genes.
4	Mr. Yogesh Kumar Shivhare	1501171005	Dr. Sanjram Premjit Khanganba	Dr. Debasis Nayak Dr. Ram Bilash Pachori	Effect of Rhythm & Timbre related music feature on movement related Neurological disorders.
5	Ms. Akanksha Tiwari	1501171006	Dr. Sanjram Premjit Khanganba Dr. R. B. Pachori	Dr. Debasis Nayak Dr. Sarita Jalan Dr. Abhijit Joshi	Cognitive Rehabilitation based on micro spatial parameters of video games (tentative)
6	Ms. Anjali Roy	1501171009	Dr. Shaikh M. Mobin Dr. Mirza S. Baig	Dr. Sarika Jalan Dr. Ruchi Sharma	Role of Macrophages in progression of Atherosclerosis.
7	Mr. A.V.R. Krishna Rao	1501171010	Dr. Chelvam Ventakesh	Dr. Debasis Nayak Dr. Sanjay K. Singh	Targeting Magnetic Florescent nanoparticles for dual imaging of diseases.
8	Ms. Prativa Majee	1501171011	Dr. Debasis Nayak Dr. Amit Kumar	Dr. Sanjay Singh Dr. Sharad Gupta	Antiviral small molecules screening
9	Mr. Ramesh Kumar	1501171012	Dr. Debasis Nayak	Dr. Sharad Gupta Dr. Bishwarup Pathak	Stress Granule Response In Viral Infection.

10	Mr. Sugathan Subi	1501171014	Dr. Shaikh M. Mobim Dr. Mirza S. Baig	Dr. Sharad Gupta Dr. Sampak Samantha	Study of Anti-Inflammatory signaling Mechanisms In macrophages under endotoxin shock.
11	Mr. Arun Kumar Verma	1501171016	Dr. Amit Kumar	Dr. Prashant Kodgire Dr. Sanjay Singh	Nuclear magnetic resonance & liquid chromatography–mass spectrometry based metabolic profiling of autosomal dominant polycystic kidney disease.
12	Mr. Basanta Pravas Sahu	1501271001	Dr. Debasis Nayak	Dr. Sharad Gupta Dr. Anjan Chakraborty	Contageous ectyima virus epidemiology
13	Ms. Richa Agrawal	1501271002	Dr. Amit Kumar Dr. Ravindra D. Makde (Co-supervisor, RRCAT)	Dr. Prashant Kodgire Dr. Debasis Nayak	Structural biology of Chromatin Proteins.
14	Ms. Nirali Pandya	1501271004	Dr. Amit Kumar	Dr. Debasis Nayak Dr. Chelvam Venktesh	Cancer Targeting
15	Mr. Anubhav Tamrakar	1501271007	Dr. Prashant Kodgire	Dr. Amit Kumar Dr. Amrendra Kumar Singh	AID and Somatic Hyper mutation of Ig Genes
16	Mr. Gaurav Pandey	1501271008	Dr. Debasis Nayak Dr. Abhijit B. Joshi	Dr. Prashant Kodgire Dr. S. Dhikaran	Minimizing Invasive Biosensors.
17	Mr. Gauri Shankar Shaw	1501271010	Dr. Sharad Gupta Dr. Vikas Yadav	Dr. Debasis Nayak Dr. Raghunath Sahoo	Synthesis and Characterization of Multi Biopolymer Coated Hydroxyapatite Bone Tissue Engineering Applications.
18	Ms. Saumya Jaiswal	1501271011	Dr. Sharad Gupta Dr. Vikas Yadav	Dr. Debasis Nayak Dr. Srivatsan Vasudevan	Role of PCG-1 $\beta$ (Nuclear Receptors) in Diseases.
19	Mr. Anurag Ramsuman Mishra	1501271012	Dr. Debasis Nayak	Dr. Sharad Gupta Dr. Apurba Das	Candidate vaccine for hand foot and mouth disease

### Chemistry

S. no.	Name	Roll no.	Supervisor(s)	Committee Members	Theme of proposed work
1	Mr. Sourabh Kumar	1501131001	Dr. Biswarup Pathak	Dr. Chelvam Venktesh Dr. Preeti Bhohe	Spintronics in 2-D Materials
2	Mr. Premansh Dudhe	1501131002	Dr. Chelvam Venktesh	Dr. Biswarup Pathak Dr. Sudeshna Chattopadhyay	Diagnosis of Communicable (AIDS) and Non-Communicable (Cancer) Diseases
3	Mr. Pramod Kumar Gavel	1501131003	Dr. Apurba Kumar Das	Dr. Anjan Chakraborty Dr. Santosh K. Sahu	Tissue Engineering Applications of Self-Assembled materials

4	Ms. Daisy Sharma	1501131006	Dr. Tridib K. Sharma	Dr. Tushar Kanti Mukherjee Dr. Ram Bilash Pachori	Nanoparticle catalyzed visible light induced organic transformations.
5	Mr. Bidyut Kumar Kundu	1501131007	Dr. Suman Mukhopadhyay	Dr. Sampak Samanta Dr. Sudeshna Chattopadhyay	N, O-Donor ligands in modeling metalloenzyme, catalysis and sensing.
6	Mr. Sayan maiti	1501131008	Dr. Apurba Kumar Das	Dr. Tushar Kanti Mukherjee Dr. Shaibal Mukherjee	Synthesis and Self-assembling Behavior of Bis-canboxamides
7	Ms. Preeti Bhauriyal	1501131013	Dr. Biswarup Pathak	Dr. Chelvam Venkatesh Dr. Preeti Bhowe	Designing of electrodes for AI - in battery
8	Ms. Shweta Jindal	1501131015	Dr. Satya S. Bulusu	Dr. Anjan Chakraborty Dr. Manavendra Mahato	Modeling of potentials for metallic clusters.
9	Mr. Abhiram Panigrahi	1501131017	Dr. Tridib Sharma	Dr. Anjan Chakraborty Dr. Sumbhedu Rakshit	Development of furorigenic, hybrid assemblies for sensing, bio imaging and device applications.
10	Mr. Ankan Biswas	1501131018	Dr. Apurba K Das	Dr. Tushar Kanti Mukherjee Dr. Satyajit Chatterjee	Self-Assembly of Nucleobase Functionalized Molecules
11	Mr. Bishnubasu Giri	1501131019	Dr. Chelvam Venkatesh	Dr. Sanjay K. Sing Dr. Sudeshna Chattopadhyay	Synthesis of New inhibitor of prostate specific membrane Antigen (PSMA)
12	Mr. Jadhav Rohit Gajanan	1501131020	Dr. Dr. Apurba Das	Dr. Anjan Chakraborty Dr. Debasis Nayak	Exploration of Native Chemical
13	Ms. Neha Thakur	1501131021	Dr. Tridib K. Sharma	Dr. Anjan Chakraborty Dr. Amod Umarikar	Organic, Inorganic hybrid functional Nano-assemblies
14	Ms. Nisha Kanwa	1501131022	Dr. Anjan Chakraborty	Dr. Chelvam Venkatesh Dr. Preeti Bhowe	Hybrid Drug delivery systems

### Physics

S. no.	Name	Roll no.	Supervisor(s)	Committee Members	Theme of proposed work
1	Mr. Sushanta Tripathy	1501151001	Dr. Raghunath Sahoo	Dr. Manavendra N. Mahato Dr. Prashant Samantray	P-meson production in proton+proton collision at 5.02 TeV at Ltte.

### HSS (Economics)

S. no.	Name	Roll no.	Supervisor(s)	Committee Members	Theme of proposed work
1	Monu Jose	1501161002	Dr. Ruchi Sharma	Dr. Preeti Sharma Dr. Niramala Menon	Financial aspects of innovative activity of firm.

**HSS (Sociology)**

<b>S. no.</b>	<b>Name</b>	<b>Roll no.</b>	<b>Supervisor(s)</b>	<b>Committee Members</b>	<b>Theme of proposed work</b>
1	Mr. Vinod Kumar	1501161003	Dr. Neeraj Mishra	Dr. Pritee Sharma Dr. C. Upendra	Political sociology of water resource management
2	Mr. Ankit Tiwari	1501261004	Dr. Neeraj Mishra	Dr. Pritee Sharma Dr. Amarjeet Nayak Dr. C. Upendra	Solid waste management for Indore

**Sd/-**  
**Dy. Registrar, Academic Affairs**

To: All concerned Students

Cc: All faculty members  
Notice Board