



J. C. Bose University of Science and Technology, YMCA
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Department of Computer Engineering

Ref No. Ph.D/2023-24/DRC/

Date 22-08-2023

Sub: Minutes of DRC meeting held on 22-08-2023 at 10:00 A.M. in the Conference Room of the Computer Engineering Department.







- 1. To consider the Bi-Annual Progress Report of Ph.D Scholars registered during the years, 2015-2016, 2016- 2017, 2017-18, 2018-2019, 2020-21, 2021-22 for the period from Oct, 2022 to March, 2023.**

The DRC committee went through the agenda and approved Bi-Annual Progress Reports of the following Ph.D. Scholars registered in the Computer Engineering department during the years 2015-2016, 2016- 2017, 2017-18, 2018-2019, 2019-2020 (odd semester) for the period from April 2022 to Sept 2022.

Name of The Candidate	Registration No.	Thesis Title	Guide	Batch
Shikha Gupta	YMCAUST/Ph03/2k16	Strategies For Designing Online Marketing Platform Using Adaptive Data Analysis Techniques.	Dr. Atul Mishra	2016-17
Simmi Chawla	18-YMCA-902005	Design And Development Of Architecture For Interoperability In Heterogenous IoT Environment.	Dr. Parul Tomar, Dr. Sapna Gambhir	2018-19
Sushmita Singh	14-YMCAUST-556	Risk analysis and prediction in Epidemic Outbreak using Graph Analytics	Dr. Manvi Siwach	July 2019
Ketna Khanna	17-YMCA-502008	Classification Of Parkinson's Disease Using Machine Learning	Dr. Sapna Gambhir, Dr. Mohit Gambhir	July 2019
JyotiNanwal	14-YMCAUST-579	Design Of An Integrated Model Using Machine Learning Techniques For Enhancing Agricultural Yield	Dr. Preeti Sethi	July 2019
Vishal Gupta	19-YMCAUST-902013	Design Of An Artificial Intelligence Based Framework For Information Retrieval Using Query	Dr. Ashutosh Dixit, Dr. Shilpa Sethi	July 2019

Am *Mishra* *dr* *Sh* *Siwach* *Ketna* *Preeti*

		Reformulation.		
Monika Yadav	15-YMCA-557	Scalable And Secure Resource Management And Load Balancing In Cloud	Dr. Atul Mishra	July 2019
Dipti Goel	19-YMCA-902001	Design and Development of a Personalized Route Prediction System for Transportation Networks	Dr. Neelam Duhan, Dr. Komal Kumar Bhatia	July 2019
Raveena Aggarwal	19-YMCA-902015	Effective Computing Techniques for big data in cloud environment	Dr. Jyoti, Dr. Manvi	July 2019
Tamanna Sachdeva	15-YMCAU-543	Extraction of Valuable Information from Data Stream	Dr. Lalit Mohan Goyal, Dr. Mamta Mittal	Dec. 2019
Rajesh Kumar	19-YMCA-902021	Design of a Reliable Framework for Securing Information in IoT system using Blockchain	Dr. Rewa	Dec. 2019
Manisha Mudgal	19-YMCA-902019	Design of Multiple Anomalous Activity Detector in Real Time	Dr. Deepika, Dr. Anuradha Pillai	
Nisha Jha	15-YMCAUST-537	Design of AI-Driven Framework for Software Test Automation	Dr. Rashmi Popli	
Esha Khanna	19-YMCA-902018	Design Of Quality Enhancement Framework For Distributed Agile Software Development	Dr. Naresh Chauhan, Dr. Rashmi Popli	Dec. 2019
Sunil Kumar	19-YMCA-902024	Machine Learning Based Diagnostic System For Identifying Lung Diseases Using Imaging Modality	Dr. Harish Kumar	Dec. 2019
Bijoy	19-YMCA-902017	Predictive Analysis Of Addiction For Substance Consumption	Dr. Lalit Mohan Goyal, Dr. Mamta Mittal	Dec. 2019
Sandeep Kumar	19-YMCA-902022	Image and Video Dehazing Using Machine Learning	Dr. Anuradha, Dr. Deepika	Dec 2019
TAMANNA	20-YMCA-902010	Intelligent Traffic Monitoring and Control System	Dr. Sapna Gambhir, Dr. Preeti Sethi	July 2020

NEHA KAUSHIK	20-YMCA-902008	Using Machine Learning to Improve QoS in Microservices Architecture	Dr. Harish Kumar	July 2020
MANSI MATHUR	20-YMCA-902007	An Integrated Service Model to Support Secure QoS Routing in Opportunistic Networks	Dr. Jyoti, Dr. Poonam	July 2020
Kumari Deepika	20-YMCA-902006	Design Of An Optimal Multimodal Biometric Recognition System	Dr. DeepikaPunj, Dr. Jyoti	July 2020
Ashima Garg	18-YMCA-507002	Design And Development Of Smart Surveillance System For Wide Area Monitoring And Event Detection	Dr. Sonali Gupta, Dr. Payal Gulati	July 2020
Karuna Kaushik	YMCA/PhD/21/0602	Understanding And Implementing Method To Handle Data Skewness	Dr. Rewa, Dr. Amreek	July 2021
Shikha Arora	YMCA/PhD /21/0512	Prediction, Detection and Analysis of Polycystic Ovary Syndrome (PCOS) USING Machine Learning Algorithms	Dr. Naresh Chauhan, Dr. Vedpal	July 2021
Bhawana Wadhwa	YMCA/PHD/20/0618	Optimization of Security in Big Data	Dr. Parul Tomar	July 2020
Pushpa Bharti	YMCA/PHD/21/0726	Design and Development of Intrusion Detection System using Machine Learning	Dr. Parul Tomar	July 2021

2. To consider and approve the Registration of new Ph. D Scholars.

The following Ph.D scholars admitted in 2022-23 have completed their course work successfully. They presented their synopsis for the work to be done in the Ph.D before the Departmental Research Committee (DRC) and SAC (Student Advisory Committee). The DRC accepts their synopsis and recommends them to register with University.

S.No	Name Of The Scholar	Topic Of Research	Name Of The Supervisor And Co-Supervisor
1.	Ms. Renu Bala Roll No. 22001902001	A Multimodal Lesion Detection System using Dermatological Images	Dr. Neelam Duhan Dr. Komal Kumar Bhatia
2.	Ms. Sangeeta Roll No.	Machine Learning and Game Theory Based Model for Stock Market Predictions	Dr. C.K. Nagpal Dr. Shruti Mittal

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3. Recommendation of the DRC on the pre-Ph.D submission of Ms. Ranjita Joon and Ms. Chandni Magoo.

The recommendations of the Expert Committee for pre Ph.D submission of Ms. Ranjita Joon and Ms. Chandni Magoo (details provided) were considered by the DRC in its meeting. The DRC endorsed the comments of Expert Committee for pre-Ph.D submission and recommends Chairperson to send confidentially the list of examiners for Ms. Ranjita Joon and Ms. Chandni Magoo to BOS for further approval.

S.No.	Name	Ph.D Regn No.	Research Topic	Date of Pre-submission
1.	Ranjita Joon	17-YMCA-902002	Optimal Path Selection in Cognitive Radio Networks	9 th June 2023
2.	Chandni Magoo	18-YMCA-902002	Context Aware Natural Language Interactive System	26 th July, 2023

4. To consider the Bi-Annual Progress Report of Ph.D Scholar Pulkit Narwal (20-YMCA-902013) for the period from Feb, 2023 to July, 2023.

The DRC approved Bi-Annual Progress Report of Mr. Pulkit Narwal (20-YMCA-902013) titled "Multi-Modal Dynamic System For Generic & Personalized Video Summarization Using Machine Learning" for the period from Feb, 2023 to July, 2023.

5. Recommendation on the Pre Ph.D. submission of Mr. Kamal Ranga (PhD-02-2k15).

The Pre Ph.D Seminar of Mr. Kamal Ranga was held on 24.05.2023. The report of the Expert Committee of Pre-Ph.D was sent to Director, Research & Development, J C Bose UST YMCA confidentially. As per the communication received from the office of Director (R&D), a time period of minimum two months has been given to the PhD scholar to present his pre-PhD work again before the same committee constituted by Director (R&D).

6. To consider and approve the case of Ms. Ketna Khanna (17-YMCA-502008), Ms. Tamanna Sachdeva (15-YMCA-543) and Ms. Mansi Mathur (20-YMCA-

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902007), Ph. D scholars of Computer Engineering Department for conversion of Full time Ph. D into Part time Ph.D.

Ms. Ketna Khanna, Ms. Tamanna Sachdeva and Ms. Mansi Mathur, research scholars of the department have submitted their applications for conversion of their full time Ph.D into part time. The committee discussed the matter and decided to recommend the case for the conversion of full time Ph.D into part time Ph.D in accordance with Ph.D Ordinance of the University. The committee also recommended to discontinue Tamanna Sachdeva's SRF Scholarship with effect from August 2023.

7. To consider and approve the case of De-Registration of Ms. Himanshi Asri (YMCA/PHD/20/0398)

As per the request given by Ms. Himanshi Asri, Ph.D. Scholar and consent of her supervisors, DRC approved the de-registration of Ms. Himanshi Asri from Ph.D.

The meeting ended with thanks to the chair.


(Dr. Parul Gupta)

(Dr. Sapna Gambhir)


(Dr. Neelam Dahan)


(Dr. C. K Nagpal)


(Dr. Naresh Chauhan)


(Dr. Komal Kumar Bhatia)


(Dr. Ashutosh Dixit)


Professor and Chairman
Chairman CE
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