J. C. Bose University of Science and Technology, YMCA
Sector 6, Faridabad (HARYANA) – 121006
(Established by the State Legislature Act No 21 of 2009)
Ph-0129-2310131, 2210372, 2242141, 2242143 (Fax) web: www.jcboseust.ac.in

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Department of Computer Engineering

Ref No. Ph.D/2022-23/DRC/   Date 16-02-2023

Sub: Minutes of DRC meeting held on 16-02-2023 at 10:00 A.M. in the Conference Room of the Computer Engineering Department.

1. To consider and approve the Registration of various 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). 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.	Anjali Sardana	Development Of Computational Model For Toxicity Prediction	Dr. Lalit Mohan Goyal
2.	Juhi Pruthi	Computational Analysis Of The Impact Of Electromagnetic Radiations On The Ecology Of Urban And Rural Areas	Dr. Ashutosh Dixit
3.	Yogesh	Design Of Network Intrusion Detection System Using Deep Learning	Dr. Lalit Mohan Goyal
4.	Abhay Kansal	Design And Development Qf Secure And Intelligent Vehicle Monitoring System	Dr. Sapna Gambhir, Dr. Umesh Kumar
5.	Archana Das	Design Of An Intelligent Fine Grained Image Classification System	Dr. C.K. Nagpal, Dr. Amita Arora
6.	Karuna Kaushik	Designing An Efficient Machine Learning System For Skewed Data Field Of Avalanche Forecasting Over Region Of Indian Himalayas.	Dr. Rewa, Dr. Amreek Singh Scientist F, DRDO
7.	Piyoush Kumar	Development Of A System For Real Time Detection Of Threat Objects	Dr. Amita Arora
8.	Pushpa Bharti Singh	Design & Development Of Intelligent Intrusion Detection System	Dr. Parul Tomar
9.	Renu Singh	Developing Efficient & Intelligent Techniques To Create Immutable Smart Contracts	Dr. Ashlesha Gupta, Dr. Poonam
10.	Shikha Arora	Prediction, Detection And Analysis Of Poly Cystic Ovary Syndrome (Pcos) Using Machine Learning	Dr. Vedpal, Dr. Naresh Chauhan,
11.	Vijay Kumar	Prediction And Detection Of Chronic Diseases Using Machine Learning	Dr. Harish Kumar, Dr. Vedpal

2. Recommendation of the DRC on the pre Ph.D. submission of Mr. Madan Singh

The recommendations of the Expert Committee for pre Ph.D submission of Mr. Madan Singh (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 that the same may be placed before the BOS for approval.

S. No.	Name	Ph.D Regn No.	Research Topic	Date of Pre-submission
1.	Madan Singh	17-YMCA-902004	Agile Project Management and Testing in Distributed Development Environment	31.01.2023

3. To consider the Bi-Annual Progress Report of Ph.D Scholars registered during the years, 2015-2016, 2016- 2017, 2017-18, 2018-2019 for the period from April, 2022 to Sept, 2022.

4. 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
Ranjita Joon	17-Ymca-902002	Optimal Path Selection In Cognitive Radio Networks	Dr. Parul Tomar	2017-18
Madan Singh	17-Ymca-902004	Agile Project Management And Testing In Distributed Development Environment	Dr. Naresh Chauhan, Dr. Rashmi Popli	2018-19
Simmi Chawla	18-Ymca-902005	Design And Development Of Architecture For Interoperability In Heterogenous Iot	Dr. Parul Tomar, Dr. Sapna	2018-19

		Environment.	Gambhir	
Chandni Magoo	18-Ymca-902002	Context Aware Natural Language Interactive System	Dr. Manjeet Singh	2018-19
Mamta Mahiya	14-Ymcau-563	Design Of A Digital Forensic Framework Using Machine Learning	Dr. Anuradha, Dr. Deepika	July 2019
Ketna Khanna	17-Ymca-502008	Classification Of Parkinson's Disease Using Machine Learning	Dr. Sapna Gambhir, Dr. Mohit Gambhir	July 2019
Jyoti Nanwal	14-Ymcau-579	Design Of An Integrated Model Using Machine Learning Techniques For Enhancing Agricultural Yield	Dr. Preeti Sethi	July 2019
Vishal Gupta	19-Ymca-902013	Design Of An Artificial Intelligence Based Framework For Information Retrieval Using Query Reformulation.	Dr. Ashutosh Dixit, Dr. Shilp a Sethi	July 2019
Jyotsna Parmar	14-Ymcau-548	Efficient Multi-Document Text Summarizatio+n	Dr. Manjeet Singh	July 2019
Monika Yadav	15-Ymcau-557	Scalable And Secure Resource Management And Load Balancing In Cloud	Dr. Atul Mishra	July 2019
Ayushi	19-Ymca-902014	Enhancing The Performance Of Learning Models.	Dr. Rewa Sharma, Dr. Mamta Kathuria	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

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
Yogesh	15-Ymcau-486	Design Of Network Intrusion Detection System Using Deep Learning	Dr. Lalit Mohan Goyal	July 2020
Anjali Sardana	20-Ymca-902001	Development Of Computational Model For Toxicity Prediction	Dr. Lalit Mohan Goyal	July 2020
Bhawna Wadhwa	20-Ymca-902002	Optimization Of Security In Big Data	Dr. Parul Tomar	July 2020
Gagan Thakural	20-Ymca-902004	Early Detection Of Lung Cancer With Low-Dose Ct Scan Using Machine Learning	Dr. Sapna Gambhir	July 2020
Kumari Deepika	20-Ymca-902006	Design Of An Optimal Multimodal Biometric Recognition System	Dr. Deepika Punj, 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
Pulkit Narwal	20-Ymca-902013	Multi-Modal Dynamic System For Generic & Personalized Video Summarization Using Machine Learning	Dr. Komal Kumar Bhatia, Dr. Neelam Duhan	July 2020
Archana Das	Ymca/Php/21/0939	Design Of An Intelligent Fine Grained Image Classification System	Dr. C.K.Nagpal, Dr. Amita	July 2021

Karuna Kaushik	Ymca/Php/21/0602	Understanding And Implementing Method To Handle Data Skewness	Dr. Rewa, Dr. Amreek	July 2021
Piyoush Kumar	Ymca/Php/21/0163	Development Of A System For Real Time Detection Of Threat Objects	Dr. Amita	July 2021
Juhi Pruthi(Adf)	Ymca/Phdf/21/0082	Computational Analysis Of The Impact Of Electromagnetic Radiation On The Ecology Of Urban And Rural Areas	Dr. Ashutosh Dixit	July 2021

4. **To decide the course of action who have not submitted their progress reports since last one year**

Following is the list of the candidates who did not appear for their progress report: -

S.No	Name Of The Candidate	Registration Number
1	Kamal	Phd-02-2k15
2	Pooja Ahuja	Ymcaust/Ph02/2k16
3	Kuldeep Goyal	Ymcaust/Ph01/2k16
4	Pramod (Jan 2018)	17-Ymca-902005
5	Vrinda	18-Ymca-902006
6	Moha Gupta	18-Ymca-902003

DRC suggested to issue warning letter/emails to these scholars.

5. **To consider and approve the promotion of Ph.D. research scholars under JRF from JRF to SRF as per AICTE norms.**

It is brought to the notice of the committee that Mr. Pulkit Narwal (20-YMCA-902013) was registered in Ph.D. in the Department of Computer Engineering in July 2020 and granted JRF by AICTE. So, he is to be upgraded to SRF. In this regard, an online interview of the candidate was held on 14.12.2022 and as per the reports the committee approved the same.

6. **List of Ph.D. Examiners**

Committee recommends chairperson to send confidentially the list of examiners for Ms. Surbhi Lingwal (17-YMCA-902003) and Mr. Madan Singh (17-YMCA-902004) to BOS for further approval.

7. **To consider and approve extension of Ph.D. research scholar Ms. Shikha Gupta.**

   Committee approved one year extension request of Ms. Shikha Gupta (YMCAUST/PH03/2K16) till March 2024.

8. **To consider and approve the name of Dr. Vinay Raj, Assistant Professor, NIT, Tiruchirappalai as Co-Supervisor of Ms. Neha Kaushik, Ph.D. Scholar**

   As per the request given by Neha Kaushik, Ph.D. Scholar that her area of PhD research work is in Microservices Architecture. Dr. Vinay Raj, Assistant Professor, NIT, Tiruchirappalai has an expertise in this area and also completed his Ph.D. in the same domain. So, as per recommendations of her supervisor, DRC has approved the name of Dr. Vinay Raj as co-supervisor of Ms. Neha Kaushik.

Sr. No.	Name of Scholar	Topic of Research	Name of Supervisor and Co-Supervisor
1	Neha Kaushik	Improving QoS of Microservices Architecture using Machine Learning Techniques	Dr. Harish Kumar, Dr. Vinay Raj

The meeting ended with thanks to the chair.

(Dr. Parul Gupta)   *on leave* (Dr. Sapna Gambhir)   *on leave* (Dr. Neelam Duhan)

(Dr. C. K Nagpal)   (Dr. Naresh Chauhan)

(Dr. Komal Kumar Bhatia)   (Dr. Ashutosh Dixit)

Professor and Chairman
Dept. of Com **Chairman CE**
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Date: 23-02-2023

Sub: Minutes of DRC meeting held on 23-02-2023 at 10:00 A.M. in the Conference Room of the Computer Engineering Department.

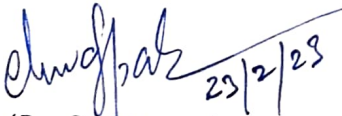1. **To consider and approve extension of Ph.D. research scholar Ms. Pooja Ahuja.**

   Committee approved one year extension request of Ms. Pooja Ahuja (YMCAUST/PH02/2K16) till March 2024.

The meeting ended with thanks to the chair.

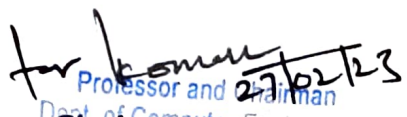(Dr. Parul Gupta)   (Dr. Sapna Gambhir)   on leave
                                                           (Dr. Neelam Duhan)

(Dr. C. K Nagpal)   23/2/23

                                       (Dr. Naresh Chauhan)

(Dr. Komal Kumar Bhatia)   23/2/23   (Dr. Ashutosh Dixit) 23.02.23

                                                            27/02/23
                                          Professor and Chairman
                                          Dept. of Computer Engineering
                                       J.C. Bose University of Science and Technology
                                            Chairman CE
                                            YMCA, Faridabad