



## USHA MARTIN UNIVERSITY, RANCHI, JHARKHAND

### Minutes of the 6<sup>th</sup> Meeting of the Research Council dated 05- April-2022

The meeting of the 6<sup>th</sup> Research Council was held on 5<sup>th</sup> April 2022 at 11.00 am through google Meet. Following members were present in the meeting:

- 1) Prof. S.C. Garg, Pro-Chancellor, UMU, Special Invitee
- 2) Prof. Madhulika Kaushik, VC, UMU, Chair
- 3) Prof. Swarat Chaudhari, St Xavier College, Member
- 4) Dr. Vinay Singh, Associate Professor, CS, UMU and Controller of Examinations(I/C), Member
- 5) Dr. Arvind Hans, Associate Professor, Management, UMU, and Dean Faculty, Member
- 6) Dr. Md Amir Khusru Akhtar, Associate Professor, Computer Science, UMU, and Dean, Research, Secretary
- 7) Dr Anil Kumar Mishra, Registrar, UMU, Member

Following members could not attend the meeting due to their prior commitments:

1. Dr. Kumar Rajnish

### **RC6.1 Welcome and Opening Remarks by the Chair**

Calling the meeting to order, the Chairperson extended a very warm and cordial welcome to all the members present. Prof. Kaushik expressed her gratitude to all members for sparing their valuable time for the meeting especially to external member. Before requesting the Registrar UMU to present the agenda items, she briefed the members about research activities in the University since the last meeting.

Prof. Kaushik informed the members that the research programme of Usha Martin University has grown from strength to strength in terms of both the number of scholars and disciplines in which the research degree programme is now offered. Initially the programme started with two disciplines and by now the programme is offered in nine disciplines, including Law, Education, Pharmacy, English, Mathematics, and Physics. Total 21 students had enrolled for PhD programme. The Registrar also informed that UMU had applied for 19 patents. Total 175 journal papers and 22 book chapters had been published in 2021. The committee had a

discussion on the existing MoUs and the activities that were being conducted under these collaborations.

The University has also enhanced its supervisory pool. Research Professors have been appointed on full time basis. Recently appointed Research Professors are Prof. Neeraja Dhankar and Prof. SVS Chaudhary in Education, Prof. Chattopadhyay, Prof Madhu Vij in Management, Prof. Rajeev Sinha and Prof. Mukesh Chaturvedi in Law. It was also informed that the requirement of Research professors across disciplines has been advertised by the University. Moreover, the University would like to request the external members to suggest the names of eminent researchers who may have superannuated from active service but would like to remain engaged in research as guides.

The University is also supporting interdisciplinary research. Co-supervisors have also been added from time to time with due approval of the RC. The University is happy to inform that Mr. Vishal Chandra successfully completed all requirements of PhD programme under the supervision of Dr. Vinay Singh, Associate Professor in computer Science.

The UMU Trust extended financial support to research projects submitted by the faculty members. The University had approved 81 seed money projects valued at a total of ₹96.49 lakhs. A large number of UMU academics have also submitted research projects for funding to External research agencies. An amount of approx. Rs. 8 crores were sanctioned in the academic session from various funding agencies including institutes and organizations.

Prof. Kaushik also requested the Pro-Chancellor, Prof. Garg to add his inputs to the research activity. Prof. Garg thanked the VC for having such a visionary outlook and comprehensively briefing the research activities. As concluding remark, he expressed his gratitude to all members of RC who had helped the University in various research activities and supported to a great extent.

Dr. Anil Kumar Mishra, Registrar, was then requested by the Chair to present the agenda items for the deliberations by the Research Council.

## **RC 6.2 To consider and approve minutes of the Fifth meeting of Research Council**

**RC6.2.1**The Registrar informed the members that the fifth meeting of the Research Council was held on 29.10.2021 in online mode. The minutes of the meeting were circulated among the members. The detailed minutes, as circulated, are placed at Annexure-1. The Registrar proposed that as no comments for amendments to the minutes has been received, the same may please be approved as circulated.

**RC6.2.2**The detailed minutes, as circulated were approved.

## **RC 6.3 To Consider and Approve the Sixth Cohort of admissions to the Ph.D. programme**

**RC 6.3.1** The Registrar informed that the University conducted entrance test for Sixth Cohort in the Ph.D. programme in online mode on 6.02.22 for Computer Science, Education, Law, Management and Pharmacy. In all, 60 candidates appeared in the test. Admission test papers for all disciplines were developed by UMU academics and moderated by external experts. The tests were followed by on-line interviews and in all 33 candidates qualified on the basis of written test and interviews. The UGC guidelines in respect of NET qualified and reserved category candidates were strictly observed.

The details of successful candidates subject-wise are as follows:

- Computer Science-2
- Education-16
- Law-8
- Management-6
- Pharmacy-1

**RC 6.3.2** The Registrar requested the Council to approve the list of selected candidates. The RC approved the list of candidates admitted to the PhD programme and the same is placed at Annexure 2.

**RC 6.3.3** Subsequently, the VC proposed that like all other programmes, an orientation programme for the new batch of PhD students may be organized sometime after their admission.

The Council unanimously decided that it will be an excellent initiative and Orientation Programme for research Scholars be conducted tentatively on 9<sup>th</sup> May from 11am- 2pm. The information of orientation programme would be given by the COE after the Registration process is completed.

## **RC 6.4 To present the progress reports of enrolled candidates**

**RC 6.4.1** It was presented that four PhD candidates. The Registrar informed the members about the UGC guidelines that every PhD scholar is expected to submit six-monthly progress to the University through her/his research guide. Progress reports of Ph. D scholars have been received and certified satisfactory.

The matter is placed before the Research Council for information. The sample of Progress Report is placed in Annexure 3.

**RC 6.4.2** The Chairperson informed the Council that in order to manage pace and quality of research, the University proposes to introduce annual presentation of the work done in the period of one year by every research scholar. The presentations were proposed to be

scheduled towards the end of each calendar academic year and the dates shall be announced well in advance.

**RC 6.4.3** The VC suggested that access to the link of file of Progress report be given to all members so that they could peruse the reports if interested. While discussing the action to be taken for candidates whose remark for progress report 'needed improvement' the council decided that time of one month be given to such candidates to enable them to resubmit their amended report.

### **RC 6.5 To consider proposal for funding and financial support to students to attend conferences**

**RC 6.5.1** The Registrar informed the Council that in order to strengthen research culture in the University, the University Management has been putting great emphasis on research by the faculty and their research scholars. To this end, it has reimbursed registration fee to faculty members for presenting their research papers.

He further informed that the University paid registration fee to students of Engineering for attending a workshop in BIT Mesra.

He also stated that to strengthen research in the University, the Academic Council, in one of its meetings, had recommended that the faculty may also be paid travel allowance and DA for attending international conferences. Though this recommendation is yet to be put in practice, it is proposed that registration fee may be paid/reimbursed to research scholars also for attending a national workshop or research conference.

**RC 6.5.2** The proposal was well received by the members. The Pro-Chancellor welcomed the proposal but stated that given the present developmental stage of the University, support for only National Conferences could be provided in the form of the registration fee once in a year.

**RC 6.5.3** The members discussed the ways to judge the quality of research papers to be supported for presentation. It was decided that a committee of 3-4 members, including the Dean Academic, Dean Research, Research Guide and an External member could be framed to judge the quality of paper for presentation in National conference or seminar. The Pro-Chancellor advised that VC be authorized to constitute the committee.

### **RC 6.6 To approve the changes in the Ph.D. ordinance**

**RC 6.6.1** The Registrar informed the Council that UMU had been offering Ph.D. programme since 2017-18. The PhD ordinance was drafted and placed before the AC for approval and subsequently reported to the Research Council. However, since then a few changes have been made by the UGC in the PhD regulations and it is proposed to include these in UMU PhD ordinance so that it is in conformity with UGC 2020-21 regulation and Draft-UGC-PhD-

regulations-2022. Accordingly, the PhD ordinance has been updated through internal consultations. The following changes have been made in the Ph.D. ordinance.

The recommended provision as per UGC PhD regulation 2020-21

1. He /She must have at least two publications in either of the referred journal (Peer Reviewed Journal/Refereed Journal/UGC Care List/Scopus/SCI/SCIE /Web of Science/ patents in the relevant area of research).
2. He /She must have at least two paper presentations in seminars/conferences in national or international level.

Registrar further stated that in accordance with the UMU policy of adhering to UGC guidelines, the University proposes to incorporate these revised guidelines in the Research Ordinance. The matter was placed before the RC for consideration and decision.

The Council approved the inclusion of the above two provisions in the University Research Ordinance

**RC 6.6.2 VC suggested to prepare the guidelines for publication in two parts i.e. pre 2021 guidelines and post 2022 guidelines as per UGC.**

### **RC 6.7 Information and guidance on the issue of Inactive or non-responsive research scholars, department wise**

The Registrar informed that the University had, Identified Department-wise inactive or non-responsive research scholars. These scholars were either not contactable or have not produced any required outcomes. Some have even stopped paying the programme fee.

In accordance with the provision of University ordinance, it was proposed to send a letter to all such students. The scholars are being asked to express their clear intention regarding their continuation in the programme by the 15<sup>th</sup> of April and give an activity plan for their working this semester. If they continue to be non-responsive, the university proposes to discontinue their association with the PhD programme. The draft of the letter is attached for discussion and approval of the committee.

He further sought the guidance of the RC. The list of 14 - inactive or non-responsive research scholars was placed at Annexure-4 before the members.

**RC 6.7.1** The members discussed to make a clear understanding about the inactive scholars on the basis of non performing or non-submission; part payment scholars. Accordingly, letter should be send individually.

**RC 6.7.2** A letter may be sent to the inactive scholars after finding out the individual reasons of inactiveness and action can be taken accordingly. The action taken on each can be brought to the notice of RC.

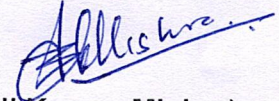
**RC 6.7.3** It was also proposed that like other programmes, Ph.D. Scholars delaying the payment of their programme fee may be asked to pay a late fee as decided by the University. The RC suggested that the fee issues can be taken to Finance committee.

### **RC 6.8 Any Other matter with the permission of the Chair**

**RC 6.8.1** The PC suggested that the University should initiate the publication of its own research journal.

**RC 6.8.2** VC informed that offline Convocation is being planned in the month of May or June.

The meeting ended with a vote of thanks to the Chair.



(Anil Kumar Mishra)  
Registrar  
Usha Martin University

**Registrar**  
कुल सचिव  
Usha Martin University  
उषा मार्टिन विश्वविद्यालय  
Ranchi-835103/रांची-835103

## Annexure 1

### Minutes of the Fifth Meeting of RC held on 29.10.21

## Annexure 2

#### LIST OF SUCCESSFUL CANDIDATES AFTER INTERVIEW HELD ON 10th March 2022

Subject		Ph.D in Computer Science		Total Marks	Status
S.No	Enrollment No	Name	Total Marks	Status	
1	UM22PHD001	Amrita Prakash	63	Successful	
2	UM22PHD002	Gautam Kumar	65	Successful	

#### Subject : Ph.D. in Pharmacy

S.No	Enrollment No	Name	Total Marks	Status
1	UM22PHD059	Priyanka Jaiswal	60	Successful

#### LIST OF SUCCESSFUL CANDIDATES AFTER INTERVIEW HELD ON 14th and 15th March 2022

#### Subject : Ph.D. Education

S.No	Enrollment No	Name	Total Marks	Status
1	UM22PHD006	Amit Kumar Chaudhary	59	Successful
2	UM22PHD008	Archana Shukla	72	Successful
3	UM22PHD015	Madhu Kumari	69	Successful
4	UM22PHD032	Sushma Kumari	70	successful
5	UM22PHD025	PINKI KUMARI	62	successful
6	UM22PHD026	PoulomiAdhikaryKundu	55	successful
7	UM22PHD028	Rakesh Tiwari	53	successful
8	UM22PHD029	Reena Ranjan	55	successful
9	UM22PHD017	Madhulika	73	successful
10	UM22PHD020	Manvendra Alok	64	Successful
11	UM22PHD022	Mrs Pooja Pushpi	63	Successful

## NET Qualified Candiadates

S.No	Name	Total Marks	Status
1	RekhaKumariGope	70	Successful
2	Bhagirath Arya	55	Successful
3	Binay Singh Shandilya	60	Successful
4	Madhu Sharma	80	Successful
5	MukulDigare	60	Successful

## LIST OF SUCCESSFUL CANDIDATES AFTER INTERVIEW HELD ON 16th March 2022

Subject : Ph.D. In Law

S.No	Enrollment No	Name	Total Marks	Status
1	UM22PHD045	Arti Kumari	60	Successful
2	UM22PHD048	Mousumi Sinha	62	Successful
3	UM22PHD049	Nikita	58	Successful
4	UM22PHD052	ParthsarathyAnandSwaroopPati	78	Successful
5	UM22PHD054	Satya Sundar Sarangi	68	Successful
6	UM22PHD055	Soumendra Roy Chowdhury	60	Successful

## NET Qualified Candiadates

S.No	Name	Total Marks	Status
1	Nishikant Prasad	60	Successful
2	UdaiPratap Singh	55	successful

## LIST OF SUCCESSFUL CANDIDATES AFTER INTERVIEW HELD ON 17th March 2022

Subject: Ph.D. in  
Management

S.No	Enrollment No	Name	Total Marks	Status
1	UM22PHD035	Aprajita Roy	72	Successful
2	UM22PHD037	Faiz Ahmad	62	Successful
3	UM22PHD041	NeelimaSumanTopno	66	Successful
4	UM22PHD043	Prity Thakur	54	Successful
5	UM22PHD044	Ravi Kumar	56	Successful



## Annexure 3

### Six Monthly Progress Report Student List Year Wise

2017-18

S. No.	Name of Candidate	Principal Supervisor	Co-supervisor
1.	Biresh Kumar	Dr Sharmistha Roy	Anandrup Roy
2.	Kamaldeep	Dr Sharmistha Roy	
3.	Prakash Kumar	Dr Vinay Singh	Dr Nagma Khatoon

2018-19

S. No.	Name of Candidate	Principal Supervisor	Co-supervisor, if any	Subject
1.	Prem Bhashkar	Prof. M. Kaushik		Management
2.	Sayantani Moitra	Dr Anupma Verma		Management
3.	Vivekanand Sharma	Dr Arvind Hans		Management
4.	Khyati Munjal	Dr Arvind Hans		Management
5.	Neha Prakash	Dr. Dinesh Pandey	Dr. Viplaw K Pandey	Commerce
6.	Suman Kumari Sinha	Dr Jayantika Pal		Mathematics

2019-20

S. No.	Name of Candidate	Principal Supervisor	Co-supervisor, if any	Subject
1.	Rati Kushwaha	Prof. M. Kaushik		Management
2.	Prem Shankar	Dr Arvind Hans		Management

3.	Richa Sahay	Dr Anupma Verma		Management
4.	Rashmi Kumari	Dr Prakash Panda		English
5.	Arun Kumar Panda	Dr Prakash Panda		English
6.	Supriya Deogharia	Dr Prakash Panda		English
7.	Priyanka Pallavi	Dr. Shimpi Kumari		English
8.	Digangana Misra	Dr. Shimpi Kumari		English
9.	Abhijit Garai	Dr. Dinesh Pandey		Commerce
10.	Manish Kumar	Dr Kumari Jyotsna		Mathematics
11.	Rajni Gupta	Dr Jayantika Pal		Mathematics
12.	Purnima Kumari Srivastava	Dr Sharmistha Roy		Computer Science
13.	Amresh Bose	Dr Nagma Khatoun		Computer Science
14.	Yashwant Kumar	Dr. Vinay Singh		Computer Science
15.	Arvind Kumar Sinha	Dr. Md. Amir Khusru Akhtar		Computer Science
16.	Supriya Gupta	Dr. Md. Amir Khusru Akhtar		Computer Science
17.	Ajay Kumar	Dr. Md. Amir Khusru Akhtar		Computer Science
18.	Manoj Kumar	Prof. S.C Garg	Dr. Kamal Prasad Bauddha	Education
19.	Swati Anjan Toppo	Prof. S.C Garg		Education
20.	Rashmi Rekha	Prof. S.C Garg		Education
21.	Poonam Jha	Prof. S.C Garg		Education
22.	Rashmi Lugun	Prof. S.C Garg		Education
23.	Jyotsna	Prof. Neerja Dhankar		Education
24.	Tazeen Ahmed Usmani	Prof. Neerja Dhankar		Education
25.	Sangram Banerjee	Prof. Neerja Dhankar		Education

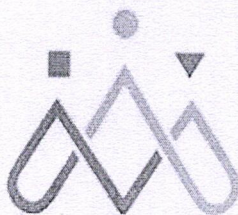
**2020-21**

S. No.	Name of candidate	Principal supervisor	Co-supervisor, if any	Subject
1.	Naresh chhabra	Prof. M. Kaushik		Management
2.	Monalishaganguly	Prof. M. Kaushik		Management

3.	Pushpesh	Prof. M. Kaushik		Management
4.	Shama baa	Prof. M. Kaushik		Management
5.	Zohaib hussain	Prof. M. Kaushik		Management
6.	Adreeja chowdhury	Prof. A. Hans	Dr. Asutosh Muduli	Management
7.	Anjani kishoresahay	Prof. A. Verma		Management
8.	Dipti Diana Kullu	Prof. A. Verma		Management
9.	Shilpee B. Lakra	Prof. A. Verma		Management
10.	Pallab Banerjee	Dr. S. Roy		Computer science
11.	Barkha kumari	Dr. S. Roy		Computer science
12.	Prashant kumar sinha	Dr. Md. Amir Khusru Akhtar		Computer science
13.	Rajesh chatterjee	Dr. Md. Amir Khusru Akhtar		Computer science
14.	Gouranga Das	Dr. Md. Amir Khusru Akhtar		Computer science
15.	Sadashiba Pati	Dr. Vinay Singh	Dr. Nibedita Adhikari	Computer science
16.	Aftaburrahman	Prof S.V.S Chowdhary		Education
17.	Mrinal kantibhattacharyya	Prof S.V.S Chowdhary		Education
18.	Ankita vishal	Prof S.V.S Chowdhary		Education
19.	Chandan kumar mandal	Prof S.V.S Chowdhary		Education
20.	Aprajita	Prof S.V.S Chowdhary		Education
21.	Kanchan kumari	Prof S.V.S Chowdhary		Education
22.	Shweta pritikujur	Prof S.V.S Chowdhary		Education
23.	Harekrishna mahata	Prof. Neerja dhankar		Education
24.	Naaz parveen	Prof. Neerja dhankar		Education
25.	Namrata srivastava	Prof. Neerja dhankar		Education
26.	Ramprosad das	Prof. Neerja dhankar		Education
27.	Gitesh kalita	Prof. Neerja dhankar		Education
28.	Shyam nandanmishra	Prof. B.phalachandra	Dr. Dipankar Biswas	Education
29.	Setu kumari	Prof. B.phalachandra	Dr. Dipankar Biswas	Education
30.	Neha kumari	Prof. B.phalachandra		Education
31.	Madhuri kumari	Prof. B.phalachandra		Education
32.	Sksanuar	Prof. B.phalachandra		Education
33.	Priyanka nupur minz	Prof. B.phalachandra		Education
34.	Swati tiwari	Prof. B.phalachandra		Education
35.	Asim kumar mondal	Prof. B.phalachandra		Education
36.	Raju prajapati	Dr. Jayantika pal		Mathematics
37.	Mukesh chatterjee	Dr. Jayantika pal		Mathematics
39.	Suman bag	Dr. K. Jyotsna	Dr. Vivek Singh	Mathematics
40.	MoonmoonDeogharia	Dr. Shimpi kumari		English
41.	Neha kumari	Dr. P. C. Panda		English
42.	Anjali kumariverma	Dr. Shimpi kumari		English



*Sample of half yearly progress report of PhD students*



**USHA MARTIN UNIVERSITY**

**SIX MONTHLY PROGRESS REPORT FOR Ph. D STUDENTS**

**Progress Report for the Period July-December, 2021**

- (1) Name and Registration Number: Anjani Kishore Sahay, Regn. No. 220038101002
- (2) Address: 3524, Satmala, Vijaya Heritage Phase # 6&7, Marine Drive, Kadma,  
Jamshedpur - 831005
- (3) Mobile Number: 9234511437
- (4) Email ID: anjani.sahay@gmail.com
- (5) Departments: Commerce & Management
- (6) Date of Ph.D Registration: September 25, 2020
- (7) Topic Approved for Ph.D:
- (8) Name of the Research Supervisor/s: Dr Anupama Verma
- (9) Status of Research: (Progress of the Research in terms of Problem Formulation, Pilot Study, Field Work, Experimentation, Data Collection, Data Analysis, Report Writing, etc. Please – use additional sheet, if required)  
Synopsis presentation scheduled for March 21, 2022.
- (10) Details of Course Work undertaken  
  
Courses Completed with Credits With Course Work:  
(a) Research Methodology  
(b) Computer in Research  
(c) Core Paper – OB & HR
- (11) Participation in seminars, conferences during the period under report- use additional sheet, if required

Participated in "Multi-Disciplinary International Conference on Futuristic Trends for Sustainable Ecosystem" organized by Rai University, Ahmedabad (India) in collaboration with Universidad Autonoma de Tamaulipas (UAT), Mexico during August 26-28, 2021.

(12) Presentation of papers in seminars/conferences during the period under report- use additional sheet, if required  
Presented a paper on "Training for Greenfield Projects for Sustainable Ecosystem" on August 27, 2021.

(13) Publications during the period- use additional sheet, if required:  
Submitted a paper on "Training for Greenfield Projects for Sustainable Ecosystem" for printing in the proceedings of the conference.

(14) Details of Books/Research Papers consulted - use additional sheet, if required:

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(15) Any other special contribution by the researcher to the institution during the period under report- use additional sheet, if required:

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**OBSERVATIONS OF THE SUPERVISOR (including on the research aptitude of the candidate):**

**Evaluation of the Progress of the Researcher:**

Progress is Very Good/Good/Satisfactory/Needs improvement

**Date:**

**Research Supervisor**

**Observations of the Head of the Departments**

## Annexure 4

### Inactive or non-responsive research scholars

Sl. No	Name	Department	Principal supervisor	Year
01	S K Habib	Faculty of Education	Dr. P. Biswas	2019
02	Binod Bakshi	Faculty of Management and Commerce	Dr. Dinesh Pandey	2018
03	Kumar Gaurav	Faculty of Management and Commerce	Dr. Dinesh Pandey	2018
04	Dhiraj Kamat	Faculty of Management and Commerce	Dr. Dinesh Pandey	2018
05	Ratan Kishor Srivastava	Faculty of Management and Commerce	Dr. Dinesh Pandey	2019
06	Mrs. Rashmi Singh	Faculty of Management and Commerce	Dr Anupma Verma	2018
07	Md. Shahabuddin	Faculty of Management and Commerce	Dr Anupma Verma	2017
08	Mr. Amitabh Chandan	Faculty of Management and Commerce	Dr. Arvind Hans	2018
09	Mr. Dhiman Kanti Midha	Faculty of Management and Commerce	Dr. Arvind Hans	2018
10	Anshuman Mishra	Faculty of Computing and IT	Dr Ritushree Narayan	2018
11	Debashish Garai	Mathematics	Dr. K. Jyotsna	2020
12	Mudasir Maqbool	Faculty of English	Dr Prakash Panda	2019
13	Sitikant Negi	Faculty of English	Dr. Shimpi Kumari	2019
14	Arunabh Mukherjee	Physics	Dr. Nanda Shakti	2018

## Registration for PhD Programme in UMU

to RAVI, Madhulika, me, Dr, renu

Dear Mr. Ravi Kumar

It gives me pleasure to inform you that on the basis of your performance in the entrance examination and subsequent interview, you have been successful for the enrolment in Ph.D programme in Management. You are therefore advised to contact the undersigned and complete all formalities, including submission of self-attested copies of all certificates and grade cards/marks sheets from Class 10 onwards, along with registration fee of Rs11,000, 5000 Exam Fees and 45,000 Semester fees (Total Sixty One Thousand).

You are advised to complete this formality latest by 25<sup>th</sup> April, 2022.

I hope you will enjoy pursuing a PhD programme at UMU.

This payment can be made through DD as well as on-line as per the following details:

The DD should be in favour of: Usha Martin University, Payable at Ranchi.

OR

For On-Line Payment Bank Details are as follows-

Name- USHA MARTIN UNIVERSITY  
Account Number- 50100306540010  
Bank- HDFC  
IFSC Code- HDFC0002063

**This is by the order of Vice-Chancellor Usha Martin University**

Best wishes  
Dr. Vinay Singh  
COE, Usha Martin University, Ranchi

**Prior to the submission of the thesis, the scholar registered for the Ph.D. Program should have complied with the following requirements:**

- (a) The research scholar must have carried out the research work for a minimum period of Six semesters including the period of PhD course work after his/her registration for Ph.D. program.



(b) The research scholar should have taken and passed the prescribed qualifying examination and course work.

(c) The research scholar must have publications with the minimum criteria as written below:

(i) He /She must have at least two publications in a refereed journal (UGC Listed Journal/Scopus/SCI/SCIE /Web of Science).

(i) In both the publications, the research scholar should be the first author followed by supervisor/ co-supervisor.

(i) He /She must have at least two paper presentations in seminars/conferences in national or international level.