

Information Brochure

**M.S. (By Research) & Ph.D. Admissions
Spring Semester - 2023**



**Dr. Shyama Prasad Mukherjee International Institute of
Information Technology Naya Raipur**



**Plot No. 7, Sector 24
Naya Raipur Atal Nagar – 493661
Chhattisgarh, India**

Admission to M.S. (By Research) & Ph.D. Programs (Spring Semester 2023)

Applications are invited for admission to the M.S. (By Research) & Ph.D. Programs at IIIT-NR

Applications are invited for admission to the Doctor of Philosophy (Ph.D.) and Master of Science by Research (M.S.(R)) program beginning in Autumn Semester 2022. The disciplines in which Ph.D. program will be offered are: Computer Science & Engineering (CSE), Electronics & Communication Engineering (ECE), Physics, Mathematics, Humanities, and Management. Moreover, M.S.(R) program will be offered in any discipline of Computer Science & Engineering (CSE), Electronics & Communication Engineering (ECE).

1. Ph.D. ADMISSION CATEGORIES

For all the following categories, all the applicants will be admitted only through the institute's selection process:

- A. **INSTITUTE SCHOLAR:** An applicant who joins Ph.D. at IIIT Naya Raipur under this category gets financial assistantship from the Institute.

- B. **INDIVIDUAL FELLOWSHIP:** An awardee of research fellowship from some recognized funding agency (CSIR/ UGC/ DAE/ NBHM/ DST/ DBT/ ICAR/ ICMR/ ICPR etc.) is eligible for admission under this category. The admission requirements are the same as that of the Institute Scholars.

- C. **SPONSORED CATEGORY:** An applicant of this category is sponsored by his/her employer. The sponsoring organization must specifically undertake to relieve the applicant to enable residential requirements of the Ph.D. program and also provide necessary facilities for carrying out the research. The Sponsoring organization shall bear all expenditures towards Institute fees, hostel fees, and any other expenses during the entire period of the Ph.D. program. Those under this category shall work full-time towards the Ph.D. program. No financial support from IIIT Naya Raipur is admissible.

- D. **PROJECT STAFF:** Staff working on a sponsored project in IIIT Naya Raipur is eligible for applying for admission to the Ph.D. Program. The remaining duration of the project at the time of admission should be at least two years. If the project gets completed before the Ph.D. program, the staff will have to self-finance the Ph.D. studies till the completion of the degree.

- E. **ON DEPUTATION:**
This category refers to an applicant who is deputed from Government or academic institutions on study leave for a period not less than three years for pursuing Ph.D. program at the Institute. No financial support from IIIT Naya Raipur is admissible.

2. M.S. (R) Admission Category

A research staff working in a project/scheme which is being carried out in the Institute is eligible to register for the program subject to satisfying the admission requirement and also subject to the condition that the tenure of the project/scheme remaining at the time of joining the program is at-least one year, provided also that the investigator(s)-in-charge of the project/scheme is satisfied that the student's joining the M.S.(R) program will not deter him/her from carrying out his/her duties in the project/scheme.

3. ELIGIBILITY CRITERIA

3.1.Ph.D. Program

- A. The minimum educational qualification for admission is a Master's degree with a consistently good academic record in relevant discipline.
- B. The candidate should have first division or equivalent in both Bachelor and Master level degree.
- C. All candidates seeking admission under Institute Scholar category shall have to possess requisite marks/grades in the qualifying examination given below:
 - a. Ph.D. (Engineering)- GATE/UGC-NET/CSIR-NET
 - b. Ph.D. (Science, Management)-GATE/UGC-NET/CSIR-NET/NBHM
 - c. Ph.D. (HSS)- UGC-NET/ CSIR-NET/GATE

NOTE: The Selection Committees may set higher criteria than the minimum qualifications listed above.

- D. Applicants under INDIVIDUAL FELLOWSHIP category should have qualified CSIR/ UGC/ DAE/ NBHM/ DST/ DBT/ ICAR/ ICMR/ ICPR or secured funding from such an agency. They are not entitled for Institute Assistantship.
- E. Applicants in Sponsored (Full-time) and Part-time categories must be a regular employee of the sponsoring organization with at least two year of professional experience in the respective field.
- F. Applicants in Part-time category should approach and interact with a faculty member of IIIT-NR specialized in his/her area of interest at least six months prior to applying for PhD admission. He/she needs to submit a recommendation letter from this faculty along with his/her application.
- G. Applicants in Self-financed and On-deputation categories should have at least two years of professional experience in the respective field. The applicant should have qualified a national level exam (NET/GATE/etc.).

3.2.M.S. (R) Program

- A. The eligibility of a candidate is based on the highest academic qualification at the time of application, as given below:

- (a) B.Tech./B.E. or equivalent degree in an appropriate discipline with minimum 60% marks or 6.5 CGPA (in a 10-point scale),

OR

- (b) Master of Science or equivalent degree in an appropriate discipline with minimum 60% marks or 6.5 CGPA (in a 10-point scale), and minimum 55% marks or 6.0 CGPA (in a 10-point scale) in Bachelor of Science or equivalent degree, from a recognized University/Institution.

➤ Relaxation as per government norms for SC/ST/PwD candidates.

- B. Students with B.Tech. from IITs/NITs/IIITs with a CGPA greater than or equal to 8.0 will be admitted directly into M.S.(R) program without the need for interview provided they are already associated with a sponsored project/scheme of the Institute.
- C. The maximum age of a student shall preferably be below 35 years on the first of July of the Autumn semester.

4. DURATION AND RESIDENCY PERIOD OF THE PROGRAM

4.1.Ph.D. Program

- A. The minimum duration of the Ph.D. Program (excluding dropped semester(s)/maternity leave) is 3 years (36 months) from the date of joining.
- B. Regular Ph.D. students have to stay within the campus during the entire period of Ph.D. program. However, special permission, on a case to case basis, may be considered by the competent authority for staying outside the campus.
- C. In general, Ph.D. students with Institute Scholarship can be away from the Institute only after submission of synopsis of the thesis. However, in exceptional cases, they may be permitted to leave the institute only after completion of coursework and comprehensive examination. In such cases, Ph.D. category will be converted to another appropriate category, based on the eligibility. This will be based on DSRC recommendation and with the approval of Chairman (Senate). This provision of conversion can be availed of only once during the program.
- D. For PhD students registered under Part-time category, the minimum residential period is one year. The student is expected to complete all mandatory course works during this period. If the students need more time to complete the mandatory course work, his/her minimum residential period will be extended till the completion of mandatory course work.
- E. The minimum residency period of all other categories, shall be the period required by the candidate to complete his/her comprehensive examination.
- F. The maximum period for completing the Ph.D. program is 7 years (excluding maternity leave) from the date of admission. However, financial assistantship will be up to maximum 5 years from the date of joining.

G. Semester drop is permitted up to two semesters in the entire duration of Ph.D. program on bonafide grounds like medical, delay in getting relieving order from preceding organization or any other valid grounds based on DSRC recommendation and approval of Competent authority. However, the maximum period of completing Ph.D. program will remain unchanged.

4.2.M.S. (R) Program

A. The M.S.(R) program shall comprise of the following two parts, viz.

Part-1 : Prescribed Course Work, and

Part-2 : Project Work and Thesis

B. The minimum duration of the program shall be 3 academic years (6 Semesters). However, if the project/scheme permits, this may be extended to a maximum of 5 years with prior approval of the Chairman, Senate.

C. M.S.(R) enrolment shall be coterminous with the start of a regular academic semester.

5. IMPORTANT DATE:

- Opening of Online Link for applications: **5th November, 2022**
- Closure of online applications: **15th December, 2022**
- Display of list of shortlisted candidates: **28th December, 2022**
- Written test and Interviews: **9th January, 2023**
- Announcement of results: **12th January, 2023**
- Reporting at IITNR: **by 20th January, 2023**

6. RESEARCH AREAS:

- **Computer Science & Engineering:** All fields of CSE discipline as mentioned below. One can refer to faculty profile for details.

Data Science (AI, Machine Learning, Data Mining, Deep Learning, Computer Vision); Networks (IoT, SDN, Wireless Networks); Security (Cryptography, Blockchain); Big Data; Theoretical Computer Science (Algorithms, Graph Theory, Compilers).

- **Electronics & Communication Engineering:** All fields of ECS discipline as mentioned below. One can refer to faculty profile for details.

Communication (Wireless communication, 5G); RF & Microwave (Electromagnetic, Millimeter-wave technology, MIMO, Antenna); VLSI & Embedded System (VLSI Circuits and Systems, VLSI interconnects, Digital Power Management Circuits); Instrumentation & Signal Processing (Signal & Image Processing, IoT & Sensors, Control & Robotics).

- **Humanities:** Cognition & Language, ELT, Indian writing in English, Women Studies, Film Studies, Psychoanalysis and Literature.
- **Physics:** Non-linear Optics, Photonics, and all Optical Devices.
- **Mathematics:** One can refer to faculty profile for details.

Biofluid mechanics, Biomathematics, Mathematical modeling, Coding theory, Cryptography and Machine Learning, Financial Mathematics, Numerical Methods.

- **Management:** Marketing, Social Media, Entrepreneurship, Human Resource Management, and Organizational Behavior

7. APPLICATION PROCESS

- Please read the instructions given below before filling up the application form.
- All applications will be received through online portal of IIIT Naya Raipur only. An applicant has to register online by filling the required details. The login credentials will be provided to the applicant on an email used for registration.
- The applicant has to login with details received and complete the application by providing all the necessary information. Please note that the applicant has to upload the testimonials wherever it is required to validate the information along with photograph and signature.
- After completion of filling the application, the applicant will be directed to the payment gateway. Once the payment of Rs. 500/- (application fees) is done successfully, the applicant will be asked to confirm the final submission of the application.
- After the final submission, an acknowledgement of payment along with the copy of the application will be provided for future reference.
- The applicant has to carry the print out of this application along with all the attachments and their originals during the written test/interview.
- The applicant has to register separately (the same email id can be used) to apply for multiple disciplines and payment also to be made separately.

Please read the instructions given in the M.S.(R) & Ph.D. information brochure carefully before filling up the online application form.

Contact: For any clarification, you may contact us through email at phd_admissions@iiitnr.ac.in

[Click here to download Information Brochure for Autumn Semester 2022.](#)

[Click here to download Sponsorship Letter for candidates applying for Ph.D. under sponsored category.](#)

[Click here to download No objection certificate for candidates applying under sponsored/Project/Part-time/Institute Staff Category/M.S.\(R\).](#)

8. INSTRUCTIONS TO BE FOLLOWED AFTER THE SUBMISSION OF APPLICATIONS:

- i. Applicants should check the Institute website for results/important announcements/updates regularly.
- ii. The institute shall communicate the list of shortlisted candidates through email only. Hence,
- iii. Applicants should check their email provided in the application for all important communications and announcements.
- iv. Candidates called for Written test/Interview should bring the following documents with them:
 - Printout of the online application form

- Photo ID Card.
- One set photo copies of all the attachments
- Originals of certificates and mark sheets.
- M.Tech/ME Thesis / dissertation / report.
- Print out of two best publications representing his/her research background.
- Contact details of two referees

Fees structure M.S. (By Research) & Ph.D.*:

		Fee details	Amount (Rs.)
A	Caution Money	Institute Fee (Refundable)	2,500
		Library (Refundable)	2,500
		Hostel (Refundable)	4,000
		Mess (Refundable)	3,000
		TOTAL	12,000/-
B	One Time Fee	Statutory Fee	1,000
		Alumni fund	500
		Student Welfare	1000
		Hostel Admission Fee	2000
		Identity Card	250
		Provisional Certificate	200
		Grade Card	500
		Admission Fee	500
		Career Development fund	1000
		Library Fee	500
		TOTAL	7,450/-
		C	Semester Fee
Registration Fee	1000		
Examination Fee	1000		
Students Amenities	600		
Internet Connectivity	500		
Laboratory Contingency	1000		
Medical Insurance + PHC fee	1000		
SAC	250		
TOTAL	30,350/-		
D	Hostel Charges (Per Semester)	Hostel Rent	1500
		Electricity Charges	2500
		Hall establishment charges	2500
		Hostel Mess (adjustable as per actuals)	19845/-
		TOTAL	26,345/
Grand Total Fees		(A+B+C+D)	76,145/-

* The above fees are subject to revision from time to time

Annexure I

**NO OBJECTION CERTIFICATE (NOC) FOR SPONSORED/
PROJECT STAFF/ PART-TIME
INSTITUTE STAFF CATEGORIES /M.S.(R)**
(This should be typed on a letterhead of the Organization/Institution)

To
Dean (R&D)
DSPM IIIT Naya Raipur
Nava Raipur Atal Nagar – 493661
Chhattisgarh.

Dear Sir,

This is to certify that our Organization/Institution has no objection on the candidature of Mr. /Ms. _____, who is working as _____ to join the Ph.D. program in the Discipline of _____ at DSPM IIIT Naya Raipur under Sponsored/Project Staff/Employed/M.S.(R).

If Mr. / Ms. _____ is admitted to the Ph.D./M.S.(R) program in the Discipline of _____ at DSPM IIIT Naya Raipur, we shall allow him/ her to undergo the program of studies and also to fulfil the residential requirement for required course-work at DSPM IIIT Naya Raipur as per your institute rules and regulations.

During the period of the academic program, the candidate will be permitted to carry out his /her research work at our laboratories / organization and will be given the required facilities.

Signature and Seal of the Certifying Authority

Date:
Place:

Annexure II

SPONSORSHIP LETTER FOR FULL-TIME CANDIDATES UNDER SPONSORED/ PROJECT STAFF/PART-TIME INSTITUTE STAFF CATEGORIES

(This should be typed on letterhead of the sponsoring organization)

To
Dean (R&D)
DSPM IIIT Naya Raipur
Atal Nagar – 493661
Chhattisgarh

Sub: Sponsoring of an Employee for Ph.D. Programme.

Dear Sir,

We sponsor the candidature of Mr. / Ms. _____ who is an employee with designation _____ in our organization for doing Ph.D. programme in the Discipline of _____ at DSPM IIIT Naya Raipur as a **FULL-TIME** candidate under Sponsored/ Project staff/ Part-time/Institute staff category.

We shall **fully** relieve him/her of his/her duties in the organization during the Ph.D. programme.

Signature and seal of the Sponsoring Authority

Date:

Place: