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NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR
(Institute of National Importance)
G.E. Road, Raipur – 492010 (C.G.)

Phone: (0771) 2254200
Fax : (0771) 2254600
E-mail: director@nitrr.ac.in
Website: www.nitrr.ac.in

No./NITRR/R-1/Advt./2012/ 2144

Raipur Dated 26/06/2012

Ph. D. Admission for Academic Year 2012-13

Applications are invited for Ph. D. Admissions (Regular/Sponsored/Part time categories) for the Academic Session 2012-13 in Department/Centre of Applied Geology, Architecture, Bio-Technology, Chemical Engineering, Chemistry, Civil Engineering, Computer Applications, Electrical Engineering, Humanities & Social Sciences, Mathematics, Mechanical Engineering, Metallurgical Engineering, Mining Engineering & Physics with specialization and area as mentioned in the Institute website: www.nitrr.ac.in. Number of seats for Ph.D. admission are not fixed. Hence preference will be given to OBC/SC/ST/PH candidates over OC candidates if all other things remain same

How to Apply:

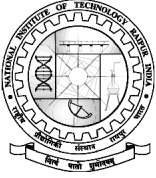
The application forms and other relevant information may be downloaded from the institute website: www.nitrr.ac.in The filled applications along with a crossed DD towards application fee drawn in favour of “**Director, NIT Raipur**” payable at **Raipur** should reach to “**The Registrar, NIT Raipur, CG 492010**” on or before 16th July’2012 in an A4 size envelop with super scribing “**Ph. D. Admission for Academic Year 2012-13 in _____ (Name of the Department)**”

Application Fee:

Rs. 200/- for General and OBC category applicants. For SC/ST/PH candidates fee will be Rs. 100/- only.

Note: The results of scrutiny and selection will be displayed in the Institute website www.nitrr.ac.in and no intimation will be sent to the candidates by post. The candidates are requested to visit Institute website regularly.

Registrar



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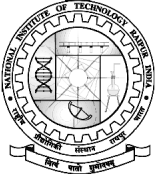
Rs. 200/- for General and OBC category applicants. For SC/ST/PH candidates fee will be Rs. 100/- only. However, applicants from Computer Application department those who have applied in response to our previous advertisement No./NITRR/R-1/Advt./2011/1497 Raipur dated 18.05.2011 need not pay any fee. They have to mention details of payment made by them earlier.

Scholarship

The award of scholarship/fellowship to full time candidates will be applicable accordingly to Central Government/MHRD norms.

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Registrar



Eligibility for Ph.D. admissions

R.1 EDUCATIONAL QUALIFICATIONS

- R.1.1 Ph.D. degree in Engineering/ Technology:
M.E./M.Tech. Degree in Engineering/Technology with 60% marks or 6.5 CGPA/CPI.
- R.1.2 Ph.D. Degree in Architecture (and allied areas i.e. Design, Planning, etc.):
Master's degree in Architecture/Design/ Planning or its equivalent with 60% marks or 6.5 CGPA/CPI.
- R.1.3 Ph.D. degree in Computer Applications, Mathematics, Basic Sciences, Humanities, Business Administration/Management and Social Sciences:
Master's degree in Engineering/Computer Applications/ Mathematics/Physics/Chemistry/Statistics/ Art/Humanities (English language teaching)/Business Administration/Management and Social Sciences or M. Phil degree with first class or minimum 60% marks (CGPA 6.5) or equivalent. The award of scholarship/fellowship/assistantship shall be governed by circular notification issued by Central Government/MHRD from time to time.

R.2 ADMISSION ELIGIBILITY

- A candidate should apply for full/part-time candidate on the prescribed form on or before due date fixed for the same.
- There is no age limit for the applicant.

R.3 RESERVATION/ RELAXATION

Number of seats for Ph.D. admission are not fixed. Hence preference will be given to OBC/SC/ST/PH candidates over OC candidates if all other things remain same

Dean (Academic)

Note: The results of scrutiny and selection will be displayed in the Institute website www.nitrr.ac.in and no intimation will be sent to the candidates by post. The candidates are requested to visit Institute website regularly.



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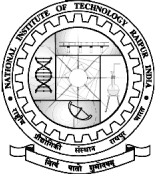
NATIONAL INSTITUTE OF TECHNOLOGY RAIPUR Phone: (0771) 2253155
(Institute of National Importance)
G.E. Road, Raipur – 492010 (C.G.)

Fax : (0771) 2253155
E-mail: deanacad@nitrr.ac.in
Website: www.nitrr.ac.in

S No.	Departments	Board Research Areas
1	Applied Geology	Structural Geology, Remote Sensing GIS, Petrology and Geochemistry.
2	Architecture	Town Planning, Architecture, Space Syntax, Conservation, History of Architecture.
3	Bio-Technology	Microbial, Enzyme, Fermentation, Environmental Biotechnology, Alternative Fuel Technology, Biosensor Development, Enzyme Technology, Bio-film & Waste Water Treatment, Bio-process Technology, Bio-mining, Microbial Technology, Bio-remediation.
4	Chemical Engineering	Fluidization Engineering, Mass Transfer, Environmental Engineering, Reaction Engineering, Extraction Process Integration, CED, Process Intensification, Food Science, Thermodynamics Cool Weathering & Carbonization.
5	Chemistry	Nuclear, Environmental, Organic & analytical chemistry, Polymer, Nano Composites, Micro Cellular, Composites, Nano Particles, Environmental Pollution.
6	Civil Engineering	Water resources Engineering, GIS Applications, Hydrology, Structural Engineering, Soil Structure Interaction, Composite Structures, Adranments Non-linear Analysis of Structures in Structural health monitoring in Concrete and Admixture, Construction Structured Health Monitoring Management, Foreoric Investigations, Transport Planning and Management, Environmental Engineering and Management, Earthquake Engineering, Environmental Pollution.
7	Computer Applications	Data Mining, Image Processing, Software Engineering , Web Engineering
8	Electrical Engineering	Electrical Power System :(Power Quality), Medical Signal and image processing (1D signal like ECG, EEG etc. and 2D images like ultrasound, CT, MRI etc.), Biometrics (Speech, iris, face, fingerprint etc.), Applications of Soft Computing Techniques to Electric Power system Protection: (using ANN, Fuzzy Logic, Genetic Algorithm & Wavelet Transform).

9	Humanities & Social Sciences	American English Literature, Indian Writing in English. English Literature, Comparative Literature, Common Wealth Literature.
10	Mathematics	Algebra, Detonation waves, Fluid Dynamics, Modelling, Industrial Mathematics.
11	Mechanical Engineering	Industrial Engineering & Management, Strategic Management, Stress Analysis, Mechanisms and Machine Design, Thermal Engineering, Tribology of Rolling Element Bearing. Computational Mechanics, Computer Graphics and Image visualization,
12	Metallurgical Engineering	Nano Fluid, Solar & Magnetic Materials, Phase Transformation, Nano Materials, Fuel Cell, Nano Coating, BMG.
13	Mining Engineering	Rock excavation, Blasting, Mine Environment, Open Cast Mining.
14	Physics	Material science, Experimental and Theoretical Condensed Matter Physics, Opto & Spin-Electronics, Luminescence, Plasmas and Meta-materials.

Dean (Academic)
NIT Raipur



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No./NITRR/DIR/2012/

Date:

Ph.D. APPLICATION FORM

Registration Number: _____

(for office use only)

1. (a) Name of the candidate: _____

(b) Date of Birth: DD MM YYYY

--	--	--	--	--	--	--	--

(c) Sex: Male/Female

(d) Marital Status: Married/Single

(e) Father's/Guardian's /Husband's Name: _____

Space for Photo
(Passport Size)
(Attested)

2. Programme Applied for: _____ in the department of _____
 with specialisation in _____

3 Are you NET Qualified YES NO

4. Sponsored candidate: YES NO

5. Physically Challenged-PH: YES NO

6. Category: GEN () OBC () SC () ST ()
 (Please put tick in the appropriate box)

(Note: Copy of the Caste certificate in prescribed Central Government format is to be attached)

7. Nationality: _____

8. Address for Communication

Communication /Mailing Address	Permanent Address
Phone	Mobile
E-mail	

(Note: Attach attested photocopies of all the certificates)

9. Qualifying Degree: _____

i) Mode of degree acquired: Full/Part-time basis; distance education mode (strike off appropriately)

ii) Branch & specialisation: _____

iii) Name of the Institution: _____

iv) Name of the University: _____

v) Year and month of passing: _____

v) Details of marks obtained: (For minimum qualifying marks, refer Ordinance)

Year	Semester	Subject	Division	Maximum Marks	Marks Obtained	CGPA/CPI
I	I					
	II					
II	III					
	IV					
III	V					
	VI					
IV	VII					
	VIII					

10. Details of Professional Experience (starting from current experience):

S. No.	Duration	Name and Address of Employer	Position held
1.			
2.			
3.			

11. Publications if any and enclose reprints with full details of publication.

12. Details of Application Fee Enclosed

Demand Draft No.: _____ Amount Rs.: _____

Date: _____ Name of the Bank: _____

(Note: DD must be in favour of Director NIT Raipur and payable at Raipur)

DECLARATION/ UNDERTAKING

- (a) I hereby declare that the above given information is true and correct to my knowledge.
- (b) I have read and understood the rules & regulations given in the Institute Prospectus and promise that I shall obey them.
- (c) I hereby undertake to abide by the rules of the Institute.
- (d) I have noted that if my application is incomplete in any respect of the information furnished is proved wrong then my application may be rejected and the admission already offered/granted may be cancelled.
- (e) **Important:** I understand that the results of scrutiny and selection will be displayed on institute website. I will not be intimated individually. Therefore, I have to visit institute website regularly.

Date: _____

Place: _____

(Name & Signature of the Candidate)

ANNEXURE-I OBC Certificat Format

FORM OF CERTIFICATE TO BE PRODUCED BY OTHER BACKWARD CLASSES APPLYING FOR APPOINTMENT TO POSTS / ADMISSION TO CENTRAL EDUCATIONAL INSTITUTIONS (CEIs), UNDER THE GOVERNMENT OF INDIA

“This certificate MUST have been issued on or after 1st January 2012.”

This is to certify that Shri/Smt./Kum. _____ Son/Daughter of Shri/Smt. _____ of Village/Town _____ District/Division _____ in the _____ State belongs to the _____

Community which is recognized as a backward class under:

- (i) Resolution No. 12011/68/93-BCC(C) dated 10/09/93 published in the Gazette of India Extraordinary Part I Section I No. 186 dated 13/09/93.
- (ii) Resolution No. 12011/9/94-BCC dated 19/10/94 published in the Gazette of India Extraordinary Part I Section I No. 163 dated 20/10/94.
- (iii) Resolution No. 12011/7/95-BCC dated 24/05/95 published in the Gazette of India Extraordinary Part I Section I No. 88 dated 25/05/95.
- (iv) Resolution No. 12011/96/94-BCC dated 9/03/96.
- (v) Resolution No. 12011/44/96-BCC dated 6/12/96 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 11/12/96.
- (vi) Resolution No. 12011/13/97-BCC dated 03/12/97.
- (vii) Resolution No. 12011/99/94-BCC dated 11/12/97.
- (viii) Resolution No. 12011/68/98-BCC dated 27/10/99.
- (ix) Resolution No. 12011/88/98-BCC dated 6/12/99 published in the Gazette of India Extraordinary Part I Section I No. 270 dated 06/12/99.
- (x) Resolution No. 12011/36/99-BCC dated 04/04/2000 published in the Gazette of India Extraordinary Part I Section I No. 71 dated 04/04/2000.
- (xi) Resolution No. 12011/44/99-BCC dated 21/09/2000 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 21/09/2000.
- (xii) Resolution No. 12015/9/2000-BCC dated 06/09/2001.
- (xiii) Resolution No. 12011/1/2001-BCC dated 19/06/2003.
- (xiv) Resolution No. 12011/4/2002-BCC dated 13/01/2004.
- (xv) Resolution No. 12011/9/2004-BCC dated 16/01/2006 published in the Gazette of India Extraordinary Part I Section I No. 210 dated 16/01/2006.

Shri/Smt./Kum. _____ and/or his family ordinarily reside(s) in the _____ District/Division of _____ State. This is also to certify that he/she does not belong to the persons/sections (Creamy Layer) mentioned in Column 3 of the Schedule to the Government of India, Department of Personnel & Training O.M. No. 36012/22/93-Estt.(SCT) dated 08/09/93 which is modified vide OM No. 36033/3/2004 Estt.(Res.) dated 09/03/2004.

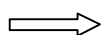
Dated:

District Magistrate/
Deputy Commissioner, etc.

Seal

NOTE:

- (a) The term 'Ordinarily' used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.
- (b) The authorities competent to issue Caste Certificates are indicated below:
 - (i) District Magistrate / Additional Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / Ist Class Stipendiary Magistrate / Sub-Divisional magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner (not below the rank of Ist Class Stipendiary Magistrate).
 - (ii) Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate.
 - (iii) Revenue Officer not below the rank of Tehsildar and
 - (iv) Sub-Divisional Officer of the area where the candidate and / or his family resides.



Caste Certificate issued from Maharashtra State must be validated by social welfare Department of Maharashtra Government

ANNEXURE-II OBC Undertaking

Declaration/undertaking - for OBC Candidates only

I, _____ son/daughter of Shri _____ resident of village/town/city _____ district _____ State hereby declare that I belong to the _____ community which is recognised as a backward class by the Government of India for the purpose of reservation in services as per orders contained in Department of Personnel and Training Office Memorandum No.36012/22/93- Estt. (SCT), dated 8/9/1993. It is also declared that I do not belong to persons/sections (Creamy Layer) mentioned in Column 3 of the Schedule to the above referred Office Memorandum, dated 8/9/1993, which is modified vide Department of Personnel and Training Office Memorandum No.36033/3/2004 Estt.(Res.) dated 9/3/2004. I also declare that the condition of status/annual income for creamy layer of my parents/guardian is within prescribed limits as on financial year ending on March 31, 2012.

Signature of the Candidate

Place:

Date:

Declaration/undertaking not signed by Candidate will be rejected

ANNEXURE-III SC/ST Certificate Format

FORM OF CERTIFICATE TO BE PRODUCED BY A CANDIDATE BELONGING TO SCHEDULED CASTE OR SCHEDULED TRIBE

This is to certify that Shri/Smt./Kum. _____ Son/Daughter of
Shri _____ of village/Town _____ in
District/ Division _____ of the State/Union Territory _____
belongs to the _____ caste/Tribe, which is recognized as a Schedule
Caste / Scheduled Tribe under.

The Constitution (Scheduled Castes) order, 1950.

The Constitution (Scheduled Tribes) order, 1950.

The Constitution (Scheduled Castes)(Union Territory) order, 1951.

The Constitution (Scheduled Tribes) (Union Territory) order, 1951.

(As amended by the Scheduled Castes and Scheduled Tribes (Modification) Order 1956, the Bombay Reorganization Act, 1960, the Punjab Reorganization Act, 1966, The State of Himachal Pradesh Act, 1970, the North Eastern Areas (Reorganization Act, 1971) and the Scheduled Castes and Scheduled Tribes orders (Amendment) Act, 1976.)

*The constitution (Jammu & Kashmir) Scheduled Caste Order, 1956;

*The Constitution (Andaman and Nicobar Islands) Scheduled Tribes, 1959, as amended by the Scheduled Castes and Scheduled Tribes orders (Amendment) Act. 1976;

*The Constitution (Dadra and Nagar Haveli) Scheduled Castes Order 1962;

*The Constitution (Dadra & Nagar Haveli) Scheduled Tribes Order, 1962;

*The Constitution (Pondichery) Scheduled Castes Order, 1964;

*The Constitution (Uttar Pradesh) Scheduled Tribes Order, 1967;

*The Constitution (Goa, Daman & Diu) Scheduled Castes Order, 1968;

*The Constitution (Goa, Daman & Diu) Scheduled Tribes Order, 1968;

*The Constitution (Nagaland) Scheduled Tribes Order, 1970;

*The Constitution (Sikkim) Scheduled Castes Order, 1978;

*The Constitution (Sikkim) Scheduled Tribes Order, 1978;

*The Constitution (Scheduled Castes) Orders (Amendment) Act, 1990.

*The Constitution (Scheduled Tribes) Order, (Amendment) Ordinance, 1991.

*The Constitution (Scheduled Tribes) Order, (Second Amendment) Act, 1991.

*The Constitution (Scheduled Tribes) Ordinance, 1996

This certificate is issued on the basis of the Scheduled Castes/Scheduled Tribes Certificate issue to Shri _____ Father of Shri _____ of village/town _____ in District/Division _____ of the State/UT _____ who belongs to the _____ caste/Tribe which is recognized as a SC/ST in the State/Union Territory _____ issued by the _____ (name of the prescribed issuing authority) vide their No. _____ dated _____ or Shri _____ and or his/her family ordinarily reside(s) in Village/Town _____ of _____ District/Division of the State/Union Territory of _____.

Place _____

Signature _____

Date _____

Designation _____
(With seal of Office)

NOTE: - (1) The terms ordinarily reside(s) used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.

(2) Candidates from Maharashtra have to produce CAST VALIDITY certificate along with the cast certificate

LIST OF AUTHORITIES EMPOWERED TO ISSUE CASTE/TRIBE CERTIFICATE:

1. District Magistrate/Additional District Magistrate/Collector/Deputy Commissioner /Additional Deputy Commissioner / Dy. Collector/ 1st Class Stipendiary Magistrate/Sub Divisional Magistrate/Extra Assistant Commissioner / Taluka Magistrate/Executive Magistrate.
2. Chief Presidency Magistrate/Additional Chief Presidency Magistrate/Presidency Magistrate.
3. Revenue Officers not below the rank of Tehsildar.
4. Sub-Divisional Officers of the area where the candidate and/or his family normally resides.

ANNEXURE-IV SPONSORSHIP CERTIFICATE

(Sponsored candidates should attach the following certificate from the employer)

The applicant Mr. / Ms. _____ is employed as _____ in our Institute / Organization since _____ in a pay scale _____. He / She is sponsored to pursue Ph. D. program in the department of _____ at National Institute of Technology, Raipur. He/ She will be permitted to spend minimum 30 contact days per semester in the institute with the supervisor till thesis submission

Name and Address of the
Sponsoring Authority

Seal

Signature of the Head of the
Sponsoring Institution / Organization