

Ref. No		
Dated: 22.11.20	12	

EMPLOYMENT NOTIFICATION NO: A2/C/2/2012

The University invites applications for the post of Professor / Associate Professor / Assistant Professor from Indian Nationals. These posts were advertised earlier vide Employment Notification Nos.: A2/C/7/2008, A2/C/2/2009, A2/C/3/2009, A2/C/1/2010, A2/C/2/2010, A2/C/1/2011, A2/C/2/2011, A2/C/3/2011 and those who applied earlier against these advertisements need to apply afresh in the prescribed format (new application form) but without any application fee (only the proof of earlier payment (No. / Photocopy of the D/D) has to be submitted).

Professor

1. Architecture One post 2. Educational Technology : One post 3. Printing Engineering One post 4. Mechanical Engineering One post 5. Bengali One post 6. History (Guru Nanak Professor): One post 7. English One post 8. Physical Education One post 9. Mathematics : Two posts One post 10. Education

Qualifications

Essential:

For Sl. No. 1 to 4

1. Minimum Eligibility Criteria:

- a) A Ph. D. degree with first class or equivalent at Bachelor's or Master's Degree in the concerned / allied / relevant branch of Engineering and Technology.
- b) A minimum of 10 (ten) years' experience of teaching or research of which at least 5 (five) years should be at the level of Assistant Professor (in the revised pay band of Rs. 15,600 39,100 with Academic Grade pay of Rs. 8000 or higher) or Reader or equivalent grade excluding the period spent on obtaining the research degree.

For Candidates from Industry and Profession:

Qualification as above with industrial/Professional experience of 10 (ten) years at managerial level equivalent to Assistant Professor (in the revised pay band of Rs. 15,600 – 39,100 with Academic Grade pay of Rs. 8000 or higher) or Reader or equivalent grade with active participation record in designing, planning, executing, analysing, quality control, innovation, training, writing technical books, research paper, publications/ patents, etc.



2. Desirable Qualification:

- a) Post Ph. D. published work such as research papers, patents filed / obtained, books and / or technical reports.
- b) Experience of guiding Post Graduate / Research students or supervising R & D Projects in Industry.
- 3. A minimum API score of 175 as defined in the Selection Criteria of the University shall be applicable

For Sl. No. 5 to 10

: 1. Minimum Eligibility Criteria:

- a) An eminent scholar with consistently good academic record and a Ph. D. degree in the concerned / allied / relevant discipline with a number of high quality research publications in reputed journals and / or publication of books.
- b) At least 10 years' experience in University / College and / or experience in research in university / reputed research institutions / industries.
- c) Research guidance of doctoral students.

2. Additional Experiences:

Contribution to educational innovation, design of new curricula and courses and use of modern technology in teaching-learning process.

An outstanding professional with established reputation in the relevant field and who has made significant contribution to the knowledge in the concerned / allied / relevant discipline may also be considered for appointment as Professor.

3. A minimum API score of 175 as defined in the Selection Criteria of the University shall be applicable

Specialisation:

For Sl. No. 1. Architecture / Planning / related subjects.

For Sl. No. 2. : Quality Assurance of E-material / Multimedia Databases / Streaming

> Technology / Open Learning Systems / Education Technology / Courseware Engineering / Learning Management Systems / Multimedia Communication in Mobile Environment / M-leading / Interoperability of hand-held devices / Analysis and processing and semantic recognition

of Multimedia objects / Authoring systems / Animation Techniques.

For Sl. No. 3. (i) Coating Technology; (ii) Color Science; (iii) Imaging Science; (iv) Ink Technology; (v) News Paper Printing / Flexo, Gravure.

For Sl. No. 4. Applied Mechanics / Heat Power / Machine Design /

Hydraulic & Fluid Mechanics / Production Engineering.



For Sl. No. 5. : Open

For Sl. No. 6. : Indian History

For Sl. No. 7. : Open

For Sl. No. 8. : Coaching Diploma in Volleyball/football/basketball/cricket/games.

For Sl. No. 9. : Any branch of Mathematics.

Desirable:

For Sl. No. 2. : i) Ph.D. Degree in Engineering / Technology.

ii) At least 7 years experience in (PG Level) Teaching/Software Industry.

iii) Experience in developing technology enhanced learning laboratories.

iv) Research Publication in the referred journal / conference proceedings having ISBN / ISSN nos.

For Sl. No. 3.

: i) Basic degree Chemical / Printing Engineering.

ii) Teaching Experience at U.G. level of Printing /Research / Industrial Experience as per specialisation.

iii) Laboratory development related to Printing.

iv) Ph.D. Guidance.

For Sl. No. 4.

i) Five years experience in teaching as Reader in a University / Institution having degree courses in Mechanical Engineering.

ii) Effective involvement in academic activities including PG teaching and Research.

iii) Membership of professional bodies.

iv) Publication of good standards.

v) Bachelor Degree in Mechanical Engineering.

Pay : Rs. 37,400 - 67,000 + AGP Rs. 10,000

Associate Professor: (Published as Reader)

1. Computer Science : One post (OBC-B*)

& Engineering

2. Bio-Medical Engineering : One post

3. Architecture : Two posts (ST - 1, SC - 1)

4. Food Technology & Bio- : One post (ST)

Chemical Engineering

5. Mechanical Engineering : Two posts (OBC-B* - 1, PH - 1)

6. Electrical Engineering : One post (SC)

7. Civil Engineering : Two posts (SC - 1, ST - 1)

8. Education Technology : One post (SC)

9. Chemical Engineering : Three posts (SC – 1, ST - 1)



10. Chemistry : Two posts (ST - 1, SC - 1)

11. Geological Sciences : Two posts (ST – 1, OBC-B* – 1)

12. Physics : Three posts $(SC - 1, ST - 1, OBC-B^* - 1)$

* Published as OBC

Qualifications:

Essential:

For Sl. No. 1 to 9

: 1. Minimum Eligibility Criteria:

- a) A Ph. D. degree with first class or equivalent at Bachelor's or Master's Degree in the concerned / allied / relevant branch of Engineering and Technology.
- b) A minimum of 8 (eight) years experience of teaching or research at the level of Assistant Professor (in the revised pay band of Rs. 15,600 39,100 with Academic Grade pay of Rs. 6000 or higher) or Lecturer or equivalent grade excluding the period spent on obtaining the research degree.

For Candidates from Industry and Profession:

Qualification as above with industrial/Professional experience of 8 (eight) years in a position equivalent to the level of Assistant Professor (in the revised pay band of Rs. 15,600 – 39,100 with Academic Grade pay of Rs. 6000 or higher) or Lecturer.

2. Desirable Qualification:

- a) Published work such as research papers, patents filed / obtained, books and / or technical reports.
- b) Experience of guiding Post Graduate / Research students or supervising R & D Projects in Industry.

Note: A relaxation of 5% in the marks may be provided for the candidates belonging to SC / ST / Differently-abled (physically as well as visually) categories.

- a. At the Masters level required to satisfy the minimum eligibility criteria.
- b. For assessing good academic record throughout the candidate's career.

The marks in each case mean the qualifying marks without any grace marks and/or rounding off procedures.

3. A minimum API score of 125 as defined in the Selection Criteria of the University shall be applicable

For Sl. No. 10 to 12

1. Minimum Eligibility Criteria:

- **a)** Good academic record with a Ph. D. degree in the concerned / allied / relevant disciplines.
- **b)** A Master's degree in concerned / allied / relevant disciplines with at least 55% marks (or an equivalent grade in a point scale



wherever grading system is followed).

- c) At lest a second class "Three year" Bachelors degree with honours / Major in the relevant / allied subjects.
- d) A minimum of 8 (eight) years experience of teaching and / or research in an academic / research position equivalent to that of Assistant Professor in a University, College or reputed research institution / industry with a number of good quality publications in reputed journals and / or publication of books.

2. Additional Experiences:

- a) Contribution to educational innovation, design of new curricula and courses and use of modern technology in teaching-learning process.
- b) Guidance of Ph. D. student / Research projects.

Note: A relaxation of 5% in the marks may be provided for the candidates belonging to SC/ST/Differently-abled (physically as well as visually) categories.

- a. At the Masters level required to satisfy the minimum eligibility criteria.
- b. For assessing good academic record throughout the candidate's career.

The marks in each case mean the qualifying marks without any grace marks and/or rounding off procedures.

A relaxation of 5% may be provided for the minimum eligibility marks of 55% at the Master level to the Ph.D. degree holders who have obtained their Masters Degree prior to September 19, 1991.

3. A minimum API score of 125 as defined in the Selection Criteria of the University shall be applicable

Specialisation:

For Sl. No. 1. : Open

For Sl. No. 2. : Biomaterials, Rehabilitation Engineering, Bio-Mechanics or Allied area.

For Sl. No. 3. : Architecture / Planning / related subjects.

For Sl. No. 4. : Open

For Sl. No. 5. : Open

For Sl. No. 6. : Open

For Sl. No. 8. : Quality Assurance of E-material / Multimedia Databases / Streaming
Technology / Open Learning Systems / Education Technology /



Courseware Engineering / Learning Management Systems / Multimedia Communication in Mobile Environment / M-leading / Interoperability of hand-held devices / Analysis and processing and semantic recognition of Multimedia objects / Authoring systems / Animation Techniques.

For Sl. No. 9. Any of the following:

> Core Chemical Engineering subjects / Computer Aided Process Design / Polymer Engineering / Pollution Abatement & Control / Biotechnology Applications / Nano-Technology applications.

For Sl. No. 10. M.Sc. in Chemistry with specialization in Inorganic / Organic Chemistry.

For Sl. No. 11. : Open

For Sl. No. 12. Any branch of Physics.

Desirable:

For Sl. No. 2. Proven record of excellent research work, laboratory development

and independent research ability and handling of projects related to

Bio-Materials and its application.

For Sl. No. 4. Basic Degree in Food Technology & Biochemical Engineering / Food Technology / Biochemical Engineering.

> ii) Experience in organizing training program, workshop,

conferences etc.

Experience in executing research projects & setting up

laboratories independently.

Knowledge in Concrete and Steel Structures, Concrete Technology, Tall Structure.

> Knowledge in Numerical analysis, Structural Dynamics, Wind and Earthquake Engineering, Composite Materials, Plants and Shells.

Teaching and Research experience in the field of Wastewater Treatment, Noise Pollution, Nutrient Containing Waste Treatment, Environmental Impact Analysis, Air Quality

Monitoring.

d) Teaching, Research and Industrial experiences on Integrated Solid Waste Management, Environment Impact Assessment, Air Quality analysis and Modeling, Life Cycle Analysis, Toxic and Hazardous Waste Management.

For Sl. No. 7.



- e) Research experience on application of GIS and Geo-statistics Teaching experience on Remote Sensing, traffic and Transportation engineering and Traffic Management.
- f) Research and field experience on Deep Foundation of Water Retaining Structures under Static and Dynamic loading.
- g) Research experience on geotechnical aspects of Coastal and Ocean Engineering, River Hydraulics and Engineering, Application on Remote Sensing and GIS teaching experience on Offshore Geo-technology, Hydraulic Structures, Hydrology, Remote Sensing and GIS.

For Sl. No. 8.

- i) Ph.D. Degree in Engineering / Technology.
 - ii) At least 7 years experience in (PG Level) Teaching/Software Industry.
 - iii) Experience in developing technology enhanced learning laboratories.
 - iv) Research Publication in the referred journal / conference proceedings having ISBN / ISSN nos.

For Sl. No. 9.

: Teaching experience in Chemical Engineering subjects at the Post Graduate level / Research / Industry in relevant fields.

For Sl. No. 10.

- i) Ph.D. with proven high quality research experience in any field of Inorganic Chemistry (For Inorganic Chemistry).
- ii) Ph.D. with proven high quality research experience in any field of Organic Chemistry (For Organic Chemistry).

Pay

Rs. 15,600 – 39,100 + AGP Rs. 8,000

Assistant Professor: (Published as Lecturer)

1. Pharmaceutical Technology: Five posts (SC – 1, PH – 1, OBC-A – 1)

2. Production Engineering : One post (ST)

3. Architecture : Two posts (ST - 1)

4. Education Technology : Two posts (Contractual)

5. Printing Engineering : One post (ST)

6. Mechanical Engineering : Eight posts (ST – 1, OBC-B* – 1, PH – 1, SC – 1)

7. Information Technology : One post (Contractual)

8. Construction Engineering: One post (ST)

9. Civil Engineering : One post (OBC-B*)

10. Instrumentation & : One post

Electronics Engineering



11. School of Illumination Science: Two posts (SC – 1)

and Engineering Design

12. School of Material Science : Two posts (SC-1)

& Nano Technology

13. School of Water Resource : One post

Engineering

14. School of Nuclear Engineering: Two posts (SC – 1)

15. Chemistry : Nine posts (SC - 2, ST - 1, PH - 1)

(i) Inorganic Chemistry – Four posts

(ii) Organic Chemistry – Two posts

(iii) Physical Chemistry - One post

(iv) Analytical Chemistry – One post

* Published as OBC

16. Mathematics : Four posts (ST - 1)

17. Life Science & Bio-technology: Three posts (SC – 1)

18. Geography : Two posts (SC - 1)

19. Instrumentation Science : Two posts (SC - 1)

20. School of Oceanographic Studies: Two posts (ST - 1)

21. Geological Sciences : Two posts (ST – 1, SC – 1)

22. History : Two posts (OBC-B – 1)

23. Film Studies : Two posts (ST - 1, SC - 1)

24. Library & Information Science : One post (OBC – A)

25. Sociology Two posts (ST – 1)

26. English One post (PH)

27. Education : One post

28. Comparative Literature : One post (PH) (Tamil)

29. (a) Physical Education : Two posts

(b) Physical Education (Yoga Therapy) : Two posts (ST – 1)

30. School of Cognitive Science: One post

Qualifications:

Essential:

For Sl. No. 1 to 14 : 1. Minimum Eligibility Criteria:

a) Master's degree with first class or equivalent at B.E. or M.E. in relevant branch of Engineering (Engg.) and Technology (Tech.).

2. Desirable

- a) Teaching, research, industrial and / or professional experience in a reputed organization.
- b) Papers published in refereed journals and/or presented at conference.



Note: A relaxation of 5% in the marks may be provided for the candidates belonging to SC/ST/Differently-abled (physically as well as visually) categories.

- At the Masters level required to satisfy the minimum eligibility criteria.
- b. For assessing good academic record throughout the candidate's career.

The marks in each case mean the qualifying marks without any grace marks and/or rounding off procedures.

- For Sl. No. 12 & 15 to 30 : 1. Good academic record as defined by the concerned University with at least 55% marks (or an equivalent grade in a point scale wherever grading system is followed) as the Masters Degree level in a relevant subject.
 - 2. At least a second class 'Three Year' Bachelor's Degree with Honours / Major in the relevant / allied subject.
 - 3. The candidate must have cleared the National Eligibility Test (NET) conducted by the UGC (CSIR) or similar test accredited by the UGC like NET / SLET.
 - 4. However, the candidates who are or have been awarded a Ph.D. degree in accordance with the UGC (Minimum Standards and Procedure for award of Ph.D. Degree) Regulations, 2009 shall be exempted from the requirement of the Minimum Eligibility Condition of NET / SLET / SET.
 - 5. NET / SLET / SET shall also not be required for such Masters programme in disciplines for which NET / SLET / SET is not conducted.

Note:

- 1. A relaxation of 5% in the marks may be provided for the candidates belonging to SC/ST/Differently-abled (physically as well as visually) categories.
- At the Masters level required to satisfy the minimum eligibility criteria.
- b. For assessing good academic record throughout the candidate's career.

The marks in each case mean the qualifying marks without any grace marks and/or rounding off procedures.

2. A relaxation of 5% may be provided for the minimum eligibility marks of 55% at the Master level to the Ph.D. degree holders who have obtained their Masters Degree prior to September 19, 1991.



3. For Sl. No. 12.:

Candidates from Engineering Background

Master's degree with first class or equivalent at B.E. or M.E. in relevant branch of Engineering and Technology.

Candidates from Science background

Same as given above as essential qualification for posts 15 to 30.

4. For Sl. No. 27.:

a) A Master's Degree in Arts / Humanities / Science / Commerce and M.Ed. each with a minimum of 55% marks (or an equivalent grade in a point scale wherever grading system is followed.)

Oı

M. A. (Education) and B.Ed. each with a minimum of 55% marks (or an equivalent grade in a point

5. For Sl. No. 28.:

UGC norms as specified above with Master's degree in Comparative Literature and proficiency in teaching Tamil as a language.

Or

Master's degree in Tamil with proficiency in teaching Tamil as a language.

6. For Sl. No. 29. (a):

<u>Subject required at the Master's degree level</u>: Physical Education/M.P.Ed.

<u>Subject required at the Honours/Major level</u>: Physical Education/B.P.Ed.

7. For Sl. No. 29. (b):

Master's in Yoga / Yoga Therapy or Master's in Physical Education with Post Graduate Diploma in Yoga / Yoga Therapy with at least 55% marks (or an equivalent grade in a point scale wherever grading system is followed)

Specialisation:

For Sl. No. 1. : Any of the following (For General Post):

Pharmaceutics / Pharm. Chem. / Pharmaceutical Engineering / Microbiology / Biochemistry / Pharmacology / Parmacognosy.

Open (For reserved category posts)

For Sl. No. 2. : Non-traditional Machining / Manufacturing Technology / Robotics /

Flexible Manufacturing Systems / Inspection and Product control / Tribology-Terotechnology / Management and Quantitative Techniquest

/ Management Systems Simulation.

For Sl. No. 3. : Architecture / Planning / related subjects.



For Sl. No. 4.

: Quality Assurance of E-material / Multimedia Databases / Streaming Technology / Open Learning Systems / Education Technology / Courseware Engineering / Learning Management Systems / Multimedia Communication in Mobile Environment / M-leading / Interoperability of hand-held devices / Analysis and processing and semantic recognition of Multimedia objects / Authoring systems / Animation Techniques.

For Sl. No. 5.

: Open

For Sl. No. 6.

- (i) For 2 posts Heat power / Machine Design / Fluid Mechanics / Production Engineering.
- (ii) For 3 posts Applied Mechanics
- (iii) For 3 posts Open

For Sl. No. 7.

: Computer Science, Information Technology.

For Sl. No. 8.

: Open

For Sl. No. 10.

: Electronics Circuit & Systems / Signal Processing / Communications Systems.

For Sl. No. 11.

: ME in Illumination Eng / Master's degree in relevant area with formal experience / exposure in illumination and experience in teaching / research / setting up laboratory / industry.

For Sl. No. 13.

: 1st class Master's degree in Water Resources and Hydraulic Engineering.

For Sl. No. 14.

- : i) Masters' Degree in Mechanical Engg. /Electrical Engg./Power Engg./Instrumentation & Electronics Engg./Instrumentation Engg./Electronics & Telecom. Engg/Control Systems Engg./Nuclear Engg./Energy Systems and related branches of engineering and technology.
 - ii) Doctoral degree /Exposure to Nuclear Industry or a Nuclear Research center activities.

For Sl. No. 16.

: Any branch of Mathematics Preferably with specialization in Operations Research, Solid Mechanics, Plasma Physics, Functional analysis and Differential Geometry.

For Sl. No. 18.

: Any branch of Geography.

For Sl. No. 20.

: M.Sc. in Bio-Sciences / Chemistry / Mathematics / Physics.

For Sl. No. 21.

Open

For Sl. No. 22.

: Open



For Sl. No. 23. : Open

For Sl. No. 24. : Applications of Computer in Libraries.

For Sl. No. 25. : Open

For Sl. No. 26. : Open

For Sl. No. 29. (a) & (b) : Open

Desirable:

For Sl. No. 9.

For Sl. No. 10.

For Sl. No. 2. : 1st Class Bachelor's degree in Production / Mechanical Engineering

with Master degree in Production Engineering.

For Sl. No. 4. : i) Ph.D. Degree in Engineering / Technology

ii) Some experience in any of the areas of Software Design / Multimedia product Development / Courseware Development.

Development.

iii) Experience in developing technology enhanced learning

laboratories.

iv) Research Publication in the referred journal / conference

proceedings having ISBN/ISSN nos.

For Master Degree Candidates, Knowledge in the areas of Multimedia Technology / Computer Network / Computer Aided Learning Package Development / Software Development.

For Bachelor Degree Candidates at least two years work experience in the areas of Multimedia Technology / Computer Network / Computer Aided Learning Package Development / Software Development.

For Sl. No. 6. Bachelor Degree in Mechanical Engineering.

For Sl. No. 7. : i) High GATE Score / Ph.D.

ii) Master's & Bachelor's Degree in Computer Science and

Engineering / Information Technology or related field.

: a) Knowledge in Numerical Analysis, FEM, Plates and Shells, Structural Dynamics.

b) Research / Industrial experience in Solid Waste Management,

Hazardous Waste Treatment.

: (i) Basic degree in Instrumentation & Electronics Engineering or Electronics & Communication Engineering.

(ii) Some teaching /research experience in the areas of specialization.

For Sl. No. 11 to 14 : (i) Teaching / Research / Industrial and/or professional experience in a reputed organization.

(ii) Paper published in refereed journals and/or presented at conference.

For Sl. No. 15. : (i) For Two posts: Ph. D. with research experience in any field of



Inorganic Chemistry.

For Two posts: Ph. D. in the field of Main Group Chemistry / Bio-Inorganic Chemistry/Inorganic Photochemistry.

- (ii) Ph. D. with research experience in any field of Organic Chemistry.
- (iii) Ph.D. with research experience in Material Science/Polymer Chemistry.
- (iv) Ph. D. with research experience in any field of Chemistry.

For One post: Experience of Research in any field of Organic Chemistry.

For Sl. No. 17. : M.Tech. (Biotechnology)/experience in Plant Science or Animal Science.

For Sl. No. 18. : Ph.D. Degree or equivalent research experience in Geography.

For Sl. No. 19. : Post Graduate Degree in Physics / Electronics / Instrumentation or

equivalent. Ph.D. Degree or equivalent research work in the experimental Physics/Electronics/Instrumentation or adequate knowledge in fabrication, designing and developing Instruments, setting up of new experiments, experience in interfacing of computer

with Instruments.

For Sl. No. 20. Publications supporting research ability in the field of Ocean Sciences.

For Sl. No. 23. Experience of research in Film/Cinema Studies.

For Sl. No. 24. : Working experience in IT field related to Library.

For Sl. No. 28. : Knowledge of Bangla and experience in Teaching Tamil as a

language / knowledge of Comparative Literature Methodology.

For Sl. No. 30.

: Masters in Cognitive Science / Neuro Science / Cognitive Neuro Science / Behavioural Neuro Science / Systems Neuro Science / any branch of Bio Science / Masters in Psychology

with specialization in Cognitive Neuro Psychology.

Evidence of Research Work in the areas related to Cognitive

Neuro Science.

Expertise in Neuro Imaging technique/Research Design/Psychometry.

Pay: : Rs. 15,600 - 39,100 + AGP Rs. 6,000

LAST DATE OF RECEIVING APPLICATION IS "December 7th, 2012"

The application form may be downloaded from www.jaduniv.edu.in/recruit.php. Complete application forms (7 copies along with copies of all certificates / testimonials) have to be submitted either by post to the 'Registrar, Jadavpur University, Aurobindo Bhavan, 188, Raja S.C. Mallick Road, Jadavpur, Kolkata 700032' or in person to the 'Information office' on all working days within 11.00 a.m. to 4.00 p.m. along with a demand draft of Rs. 500 drawn in favour of "The Registrar, Jadavpur University". Downloaded application form without demand draft (for those applying for first time) will not be considered. Mere application does not guarantee a call for interview as the



method of screening will be applied as per the selection criteria of the University. Details of the method of screening and selection are available in the University website.

Incomplete applications will be rejected.

REGISTRAR