



**JADAVPUR UNIVERSITY  
KOLKATA – 700 032**

Dated : 07.01.2020

**DETAILS OF THE EMPLOYMENT NOTIFICATION NO : A2 / C / 1 / 2020 dt. 07.01.2020**

The University invites applications from Indian Nationals in the prescribed form for the following posts :

**Professor**

1. Electronics & Telecommunication Engg. : Five posts (SC – 2, OBC-A – 1, ST – 1,, OBC-B - 1)  
(E.T.C.E.)
2. Mechanical Engineering : Five posts [SC – 2, ST – 1, Differently-abled  
(Physically as well as visually) – 1, OBC-A - 1)
3. Metallurgical & Material Engineering : Two posts (SC – 1, ST – 1)
4. Production Engineering : Three posts (SC – 1, ST – 1, OBC-A – 1)
5. Food Technology & Biochemical Engg. : One Post (ST)
6. Architecture : One Post (ST)

**Qualifications :**

**1. Minimum Eligibility Criteria :**

- a) As per UGC regulation 2010 as amended up to date (i.e. July 11, 2016, 4<sup>th</sup> amendment)

**And / or**

State Government Regulations (Higher Education) [vide G.O. No. 430 - Edn(u) / 1U-91/10 dt. 3<sup>rd</sup> May 2012]

**And**

**For Sl. No. 2:** a) Bachelor's degree in Mechanical Engineering or allied branch of Engineering / Technology.

b) Master's degree in Mechanical or allied branch of Engineering / Technology.

c) First class or equivalent at Bachelor's or Master's degree

d) Ph.D. degree in Engineering / Technology.

**Allied branches are as follows :**

**Applied Mechanics :** Applied Mechanics / Aerospace Engineering / Aeronautical Engineering / Engineering Science /Civil Engineering (Structure)

**Fluid Mechanics and Hydraulics :** Aerospace /Aeronautical /Power /Water Resources / Hydraulic / Mechatronics.

**Machine Design :** Design / applied Mechanics / Automobile / Robotics / Aerospace / Material / Production / Metallurgy / Mechatronics / CAD Engg.

**Production :** Industrial /Production /Manufacturing /Material /Metallurgy/Production Engineering and Management / Nanoscience and Nanotechnology / SQC and OR / Laser Science and Technology.

**Heat Power :** Thermal Engineering / Heat Power Engineering / Biomechanics / Automobile Engineering / Bioengineering / Energy Engineering / Mechatronics Engg. / Refrigeration Engineering / Nano Technology / Power Engineering / Aerospace Engineering / Nuclear Engineering / Laser Engineering / Applied Mechanics / Chemical Engineering.

**And**

***For Sl. No. 6:*** Other Criteria as per Council of Architecture (COA) norms.

**2. Desirable Qualifications :**

***For Sl. No. 1:*** a) 70% or above marks both in Bachelors and Masters level (or equivalent grade point)  
b) For a particular specialization the candidate should have master degree and Ph.D. in related field.  
c) At least Seven SCI indexed / IEEE / ACM journal publications with at least three of them at Associate Professor level.  
d) Evidence of having guided Ph.D. students as a PI / Coordinator of Externally Funded / Sponsored projects, funded by Govt. or Agencies or Industries.  
e) For the post of Computer Engineering Specialization, the candidate should preferably have at least one degree in Computer Science Engineering.

***For Sl. No. 2:*** First Class at Bachelor's in Mechanical Engineering and First Class at Master's in Mechanical or allied branch of Engineering / Technology.

***For Sl. No. 3:*** Ph.D. in Engineering discipline preceded by Four Year bachelor Degree in Metallurgical / Materials Engineering

***For Sl. No. 4:*** **For OBC – A**

- a) Adequate experiences of teaching at the Post Graduate level of Engineering / Technology in a University / Institution.
- b) Good academic record with First Class at M.E. or equivalent Exam.
- c) Adequate experiences of guiding research at the PG level of Production Engineering Department.
- d) Research publication in published Conference / Seminar Proceedings / Journals / Transactions etc.
- e) Membership of Learned Societies.

**For SC & ST**

- a) Ten (10) years experience of teaching in Engineering in a university / institution of higher learning of which at least 5 years must be at the Master's Degree level in Mechanical / Production Engineering or Ten (10) years experience in Industry in responsible positions contribution to knowledge, research and development in the area of Production Engineering.
- b) Doctorate degree in Engineering of related fields of Production Engineering with 1<sup>st</sup> Class at the Master's Degree level in Engineering / Technology.

- c) Experience of guiding research at the Post Graduate and Doctoral level of Production Engineering / Coordinating Research Project / Conducting consultancy work and setting up of laboratories in any of the related area under specialization.
- d) Research publication in published proceeding / journals / transactions.
- e) Membership of Learned Societies.

**For Sl. No. 5:** Basic Degree in Food Technology & Biochemical Engineering.

- For Sl. No. 6:**
- a) Published work such as Research Papers, Patents filed / obtained, Books and/or Technical Reports.
  - b) Experience of guiding Ph.D. / Post Graduate / Research students of Supervising R & D Projects in Industry.
  - c) Contribution to Educational Innovation, design of new curricula and courses, use of modern technology in teaching learning process.

**Specialization :**

**For Sl. No. 1. :** Communication Engineering for 1 post; Control engineering for 1 post; Computer Engineering for 1 post and for 2 post in any of the following specialization :  
Computer Engineering / Communication Engineering / Control Engineering / Electron Device / Microwave Engineering.

**For Sl. No. 3. :** Open (any field in the area of Metallurgical / Materials Engineering)

**For Sl. No. 4. : For OBC – A**

Non-traditional Machining / Robotics /Tribology /Terotechnology /CNC & Adaptive Control of Machine Tools / Flexible Manufacturing Systems / Automation and Control / Operations Management / Foundry Technology / Ergonomics / Metrology / Metal Forming / Simulation / Enterprise Resource Planning & Supply Chain Management.

**For Sl. No. 5:** Food Technology & Biochemical Engineering / Food Technology / Biochemical Engineering.

**For Sl. No. 6:** Architecture / Urban Design / Urban Planning /Building Engineering /allied subjects.

**Age & Other Criteria :** As per State Government rules (vide G.O. No. 516 Edn(u) / 1U-91/10 and 104 Edn (U) OM-7/2019 dt.16<sup>th</sup> May, 2017. and 24.01.2019)

**Scale of Pay : Rs. 37,400 – 67,000 + AGP Rs. 10,000/-**

## Associate Professor

1. Civil Engineering : Three posts (SC – 1, ST – 1, OBC-A – 1)
2. Electronics & Telecommunication Engg. (E.T.C.E.) : Three posts (Differently-abled (Physically as well as visually) – 1, SC – 1, OBC-B – 1)
3. Mechanical Engineering : Eight posts (Differently-abled (Physically as well as visually) – 1, SC – 1, ST – 1, OBC-B – 1, UR - 4)
4. Metallurgical & Material Engineering : Three posts (UR – 1, ST – 1, OBC-A – 1)
5. Production Engineering : Three posts (SC – 2, ST – 1)
6. Food Technology & Biochemical Engg. : One post (ST)
7. Architecture : One post (ST)

## Qualifications :

### 1. *Minimum Eligibility Criteria :*

- a) As per UGC regulation 2010 as amended up to date (i.e. July 11, 2016, 4<sup>th</sup> amendment)  
And / or

State Government Regulations (Higher Education) [vide G.O. No. 430 - Edn(u) / 1U-91/10 dt. 3<sup>rd</sup> May, 2012

And

- For Sl. No. 3. :*
- a) Bachelor's Degree in Mechanical Engineering
  - b) Master's degree in Mechanical or allied branch of Engineering / Technology.
  - c) First class or equivalent at Bachelor's or Master's degree.
  - d) Ph.D. degree in Engineering / Technology.

### Allied branches are as follows :

**Applied Mechanics :** Applied Mechanics / Aerospace Engineering / Aeronautical Engineering / Engineering Science / Civil Engineering (Structures).

**Fluid Mechanics and Hydraulics :** Aerospace / Aeronautical / Power / Water Resources / Hydraulic / Mechatronics.

**Machine Design :** Design / Applied Mechanics / Automobile / Robotics / Aerospace / Material / Production / Metallurgy / Mechatronics / CAD Engg.

**Production :** Industrial / Production / Manufacturing / Material / Metallurgy / Production Engineering and Management / Nanoscience and Nanotechnology / SQC and OR / Laser Science and Technology.

**Heat Power :** Thermal Engineering / Heat Power Engineering / Biomechanics / Automobile Engineering / Bioengineering / Energy Engineering / Mechatronics Engg./ Refrigeration Engineering / Nano Technology / Power Engineering / Aerospace Engineering / Nuclear Engineering / Laser Engineering / Applied Mechanics / Chemical Engineering.

And

*For Sl. No. 7:* Other Criteria as per Council of Architecture (COA) norms.

## **2. Desirable Qualifications :**

### **For Sl. No. 1. : For one post :**

- a) Graduate in Civil Engineering
- b) Teaching / Industrial / R & D experience in the relevant field of specialization.
- c) Knowledge in at least any one of the following areas :
  - i) Finite element analysis of plates and shells.
  - ii) Structural dynamics application in structural engineering.
  - iii) Concrete Technology.
  - iv) Earthquake Engineering / Earthquake resistant design of structures.
  - v) Wind Engineering / Wind resistant design of structures.
  - vi) Steel / RCC design.
  - vii) Numerical analysis in structural engineering.

### **For one post :**

- a) Bachelor Degree in Civil / Construction Engineering
- b) Master Degree in Soil Mechanics and Foundation Engineering / Geotechnical Engineering / Adequate Research / Teaching / Industrial Experience in relevant field of Specialization.

### **For one post :**

- a) First-Class in Master degree level in Civil Engineering with Environmental Engineering specialization.
- b) Out of the UGC stipulated minimum years of teachings and academic experience in the relevant field, at least 6 years experience in the field of Air Pollution Monitoring, Air Quality Assessment and Modeling, Air Pollution Control / Sustainable Waste and Energy Management including Energy Efficient Building System Design / Advanced Water and Wastewater Treatment Technology.

***For Sl. No. 2. : a)*** 70% or above marks both in Bachelors and Masters level (or equivalent grade point)

- b)*** For a particular specialization the candidate should have master degree and Ph.D. in related field.
- c)*** At least four SCI Indexed /IEEE / ACM journal publications
- d)*** Evidence of guiding Ph.D. / Master Students or Supervising R & D projects in Industry.
- e)*** For post of Computer Engineering Specialization the candidate should preferably have at least one degree in Computer Science Engineering.

### **For Differently-abled (Physically as well as visually)**

For Control / Microwave / Electron Device Specialization:

A Ph.D. Degree with first class (or an equivalent grade in a point scale wherever grading system is followed) at Bachelor of Electronics & Telecommunication Engineering or Master of Electronics & Telecommunication Engineering.

**Note :** Candidates with B.Sc. (Electronic Science / Computer Science) / M.Sc. (Electronic Science / Computer Science) degrees irrespective of whether obtained any Post Graduate technical degree, and also with AMIE / GRAD IETE background are not eligible to apply.

***For Sl. No. 3. :*** First Class at Bachelor's in Mechanical Engineering and First Class at master's degree in Mechanical or allied branch of Engineering / Technology.

***For Sl. No. 4. :*** Ph.D. in Engineering / Technology Processed by four year BE / B. Tech. Degree in Metallurgical and or Material Engineering and 8 (eight) year experience in Teaching / Research and or Industry.

***For Sl. No. 5. : a)*** Adequate experience of teaching at the post graduate level of Engineering / Technology in a University / Institutions.

***b)*** Good academic record with first class at M.E. or equivalent examination.

***c)*** Adequate experience of guiding research at the post graduate level of Production Engineering.

***d)*** Research publications in published Conference or Seminar proceeding/Journals / transactions.

***e)*** Membership of learned societies.

***For Sl. No. 6. : a)*** Basic degree in Food Technology & Biochemical Engineering.

***For Sl. No. 7. : a)*** Published work such as Research Papers, Patents field / Obtained, Books and / or Technical Reports.

***b)*** Experience of guiding Ph.D. / Post Graduate / Research students of Supervising R & D Projects in Industry.

***c)*** Contribution to Educational Innovation, design of new curricula and courses, use of modern technology in teaching learning process.

**Specialization :**

***For Sl. No. 1: For one post :*** Structural Engineering.

***For one post :*** Soil Mechanics & Foundation Engineering/Geotechnical Engineering.

***For one post :*** Environmental Engineering.

***For Sl. No. 2:*** Computer Engineering / Communication Engineering / Control Engineering / Electron Device / Microwave Engineering.

***For Sl. No. 4: i)*** Extractive Metallurgy

***iii)*** Physical Metallurgy.

***For Sl. No. 5:*** Non-traditional Machining / Robotics / Tribology / Terrotechnology / CNC an Adaptive Control of Machine Tools / Flexible Manufacturing Systems / Operation Management / Foundry Technology / Ergonomics / Metrology, Metal Forming Simulation / Enterprise Resource Planning and Supply chain Management / Project Management.

**For Sl. No. 6:** Food Technology & Biochemical Engineering / Food Technology / Biochemical Engineering.

**For Sl. No. 7:** Architecture / Urban Design / Urban Planning / Building Engineering / Allied Subjects.

**Age & Other Criteria :** As per State Government rules (vide G.O. No. 516 Edn(u) / 1U-91/10 and 104 Edn (U) OM-7L/2019 dt.16<sup>th</sup> May, 2017 and 24.01.2019)

**Scale of Pay :** Rs. 37,400 – 67,000 + AGP Rs. 9,000/-

**Assistant Professor**

1. Electronics & Telecommunication Engg. (E.T.C.E.) : Three posts (Differently-abled (Physically as well as visually) – 1, OBC-A – 1, UR – 1)
2. Mechanical Engineering : Four posts (ST – 2, Differently-abled (Physically as well as visually) – 2)
3. Production Engineering : One post (ST)
4. Civil Engineering : Five posts (SC – 2, ST – 1, OBC-A – 1, UR 1)
5. Food Technology & Biochemical Engg. : Four posts (ST – 1, UR – 1, SC – 1, OBC-A – 1)
6. Architecture : One post (OBC – A)
7. Instrumentation & Electronics Engg. : One post (OBC – A)

**Qualifications :**

**1. Minimum Eligibility Criteria :**

- a) As per UGC regulation 2010 as amended up to date (i.e. July 11, 2016, 4<sup>th</sup> amendment)  
And / or

State Government Regulations (Higher Education) [vide G.O. No. 142 - Edn(u) / 1U-91/10 dt. 28<sup>th</sup> February, 2011

And

- For Sl. No. 2 :** a) Bachelor's degree in Mechanical Engineering.  
b) Master's degree in Mechanical or allied branch or Engineering / Technology.  
c) First class or equivalent at Bachelor's or Master's degree.

**Applied Mechanics :** Applied Mechanics / Aerospace Engineering / Aeronautical Engineering / Engineering Science / Civil Engineering (Structures).

**Fluid Mechanics and Hydraulics :** Aerospace / Aeronautical / Power / Water Resources / Hydraulic / Mechatronics.

**Machine Design :** Design / Applied Mechanics / Automobile / Robotics / Aerospace / Material / Production / Metallurgy / Mechatronics / CAD Engg.

**Production** : Industrial / Production / Manufacturing / Material / Metallurgy / Production Engineering and Management / Nanoscience and Nanotechnology / SQC and QR / Laser Science and Technology.

**Heat Power** : Thermal Engineering / Heat Power Engineering / Biomechanics / Automobile Engineering / Bioengineering / Energy Engineering / Mechatronics Engineering / Refrigeration Engineering / Nano Technology / Power Engineering / Aerospace Engineering / Nuclear Engineering / Laser Engineering / Applied Mechanics / Chemical Engineering.

And

***For Sl. No. 6 :*** Other Criteria as per Council of Architecture (COA) norms.

**2. Desirable Qualifications :**

***For Sl. No. 1 : a)*** 70% or above marks both in Bachelors and Masters level (or equivalent grade point)

***b)*** Ph.D. submission / Degree with publications in SCI / IEEE / ACM journals.

***c)*** For the post of Computer Engineering specialization the candidate should preferably have at least one degree in Computer Science Engineering.

**For Differently-abled (Physically as well as visually)**

Master Degree with first class or equivalent at B.E. or M.E. in the Electronics & Telecommunications Engineering (or equivalent degree)

**Note :** Candidates with B.Sc. (Electronic Science / Computer Science) / M.Sc. (Electronic Science / Computer Science) degrees irrespective of whether obtained any Post Graduate technical degree, and also with AMIE / GRAD IETE background are not eligible to apply.

***For Sl. No. 2 :*** First Class at Bachelor's in Mechanical Engineering and First Class at Master's degree in Mechanical or allied branch of Engineering / Technology.

***For Sl. No. 3 :*** 1<sup>st</sup> Class Bachelor Degree in Production / Mechanical Engineering with Master Degree in Production Engineering.

***For Sl. No. 4 :*** **For One post :**

***a)*** Graduate in Civil Engineering

***b)*** Teaching / Industrial / R & D experience in the relevant filed of specialization.

***c)*** Knowledge in at least any one of the following areas :

***i)*** Finite element analysis of plates and shells

***ii)*** Structural dynamics application in structural engineering

***iii)*** Concrete Technology

***iv)*** Earthquake Engineering / Earthquake resistant design of structures

***v)*** Wind Engineering / Wind resistant design of Structures

***vi)*** Steel / RCC design

***viii)*** Numerical analysis in structural engineering.



**For One post :**

- a) Bachelor Degree in Civil / Construction Engineering.
- b) Master Degree in Soil Mechanics and Foundation Engineering / Geotechnical Engineering / Adequate Research / Teaching / Industrial Experience in relevant field of Specialization.

**For One post :**

- a) Bachelor Degree in Civil / Construction Engineering.
- b) Master Degree in Soil Mechanics and Foundation Engineering / Geotechnical Engineering / Transportation Engineering / Water Resource Engineering / Adequate Research / Teaching / Industrial Experience in relevant field of Specialization.

**For One post :**

- a) Bachelor Degree in Civil
- b) Master Degree with First Class in Civil Engineering with Environmental Engineering specialization. Good Research / academic knowledge and project experience in the field of Hazardous Waste Management and Air quality Monitoring and Assessment. Any background experience in teaching / conducting laboratory classes will be preferred.

**For One post :**

- a) Bachelor Degree in Civil
- b) Master Degree with First class in Civil Engineering with Environmental Engineering specialization. Good Research / academic knowledge and project experience in the field of Solid Waste Management or Air quality Monitoring and Assessment. Any background experience in teaching / conducting laboratory classes will be preferred.

- For Sl. No. 5:***
- a) Basic Degree in Food Technology & Biochemical Engineering.
  - b) Ph.D. degree with Publication in related journal.

- For Sl. No. 6:***
- a) Publication work such as Research Papers, Patents filed /obtained, Books and/ or Technical Reports.
  - c) Teaching / Research / Professional Experience in reputed organizations.

- For Sl. No. 7:***
- a) Teaching Research, Industrial and / or Professional experience in a reputed organization.
  - b) Basic degree in Instrumentation and Electronics Engineering or Electronics and Communication Engineering or Instrumentation and Control Engineering.

**Specialization :**

- For Sl. No. 1. :*** Computer Engineering / Communication Engineering / Control Engineering / Electron Device / Microwave Engineering

**For Sl. No. 3 :** Non-traditional Machining / Manufacturing Technology / Robotics / Flexible Manufacturing Systems / Inspection and Product Control / Tribology- Terotechnology / Management and Quantitative Techniques / Management Systems Simulation.

**For Sl. No. 4 :** For One post : Structural Engineering.

For One post : Soil Mechanics & Foundation Engineering/Geotechnical Engineering.

For One post : Soil Mechanics & Foundation Engineering / Geotechnical Engineering /Transportation Engineering /Water Resource Engg.

For One post : Environmental Engineering.

For One post : Environmental Engineering.

**For Sl. No. 6 :** Architecture / Urban Design / Urban Planning / Building Engineering / Allied Subjects

**For Sl. No. 7 :** a) Process Instrumentation

b) Process Control

c) Power Electronics

d) Electronics Circuits and systems

e) Signal processing

**Age & Other Criteria :** As per State Government rules (vide G.O. No. 516 Edn(u) / 1U-91/10 and 104 Edn (U) OM-7L/2019 dt. 16<sup>th</sup> May, 2017 and 24.01.2019)

**Scale of Pay :** Rs. 15,600 – 39,100 + AGP Rs. 6,000/-

**DEADLINE FOR SUBMITTING APPLICATION IS 27.01.2020 (payment link closes at 12 noon)**

**FILLING UP / SUBMISSION OF APPLICATION FORM AND OTHER RELATED INSTRUCTIOS :**

1. Blank application form in 'pdf' format is available at the JU website :
2. Download the application form for filling up.
3. Please pay the application fee of Rs. 500/- following the payment link given (US \$ 50.00 or equivalent Rupee for Indian citizen staying outside in D.D.) as indicated in the JU website ([www.jaduniv.edu.in](http://www.jaduniv.edu.in)). Follow instructions for making payment and take print out of the receipt of payment / challan obtained. For making online payments, (a) Net banking, (b) Debit / Credit / Rupay card, (c) Challan (for making cash payment at SBI branches) options will be available. Use anyone of the options for making payment.
4. **Fill up the blank application form and send the complete application form (one original and seven photocopies) along with attested photocopies of all certificates including NOC if applicable and testimonials, and a copy the receipt of payment / challan, to the 'Registrar, Jadavpur University, Aurobindo Bhavan, 188, Raja S.C. Mallick Road, Jadavpur, Kolkata – 700 032 by Registered post or in person to the 'Information Office' on all working days within 11.00 a.m. to 4.00 p.m.**
5. Please super scribe the envelop with the name of the post applied for and the Advertisement No.

6. Those who are already in service should apply through proper channel.
7. Canvassing in any form will disqualify a candidate.
8. 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. Selection will be made as per university selection procedure. University reserves the right for selection.
9. **All qualifications, experience will be recognized till the last date of submission of application.**
10. Please follow JU website for any update / notification time to time regarding above selections.
11. University will not be liable for any kind of postal delay.
12. Incomplete applications will be rejected without any intimation.
13. Apply separately for more than one post paying fees accordingly.
14. ***All the tables for API calculation to be filled by the applicant as per UGC and State Govt. norms [vide UGC regulation 2010 as amended up to date (i.e. July 11, 2016, 4<sup>th</sup> amendment) and or State Government Regulations (Higher Education) (Vide G.O. No. 430-Edn(u) / 1U-91/10 dt. 3<sup>rd</sup> May 2012 and G.O. No. 142-Edn(u) / 1U-91/10 dt. 28<sup>th</sup> February, 2011).]***
15. Details of the method of Screening and Selection as approved will be followed. Research publication will be considered as per the journal list published in the UGC/ University website.

***Registrar***