



NETAJI SUBHAS UNIVERSITY OF TECHNOLOGY
A STATE UNIVERSITY UNDER ACT 06 OF 2018,
GOVT. OF NCT OF DELHI
(FORMERLY NETAJI SUBHAS INSTITUTE OF TECHNOLOGY)
Azad Hind Fauj Marg, Sector – 3, Dwarka, New Delhi – 110 078.
Website : <http://www.nsut.ac.in>

RECRUITMENT NOTICE NO. NSUT/FACULTY/2021/03

ADVERTISEMENT FOR FACULTY POSITIONS OF PROFESSOR, ASSOCIATE PROFESSOR AND ASSISTANT PROFESSOR (ARCHITECTURE)

Online Applications in the prescribed format, are invited from eligible candidates for direct recruitment to the following faculty positions as per details given below:-

CATEGORY OF POSTS: GROUP ‘A’ (Teaching) (ARCHITECTURE)

S.N.	Position	Pay Scale & Level	UR	EWS	SC	ST	OBC	Total
1.	Assistant Professor	RS. 57,700-1,82,400 (Level 10)	02	--	--	--	--	02
2.	Associate Professor	Rs.1,31,400-2,17,100 (Level 13 A1)	01	--	--	--	--	01
3.	Professor	Rs. 1,44,200-2,18,200 (Level-14)	--			01		01
		Total	03	--	--	01	--	04

Reservation for Persons with Benchmark Disabilities (PWD category) will be as per the prevalent rules.

- Note:1. UR: Unreserved, ST: Schedule Tribes, PWD: Persons with Benchmark Disability.
2. The number of posts advertised is indicative and the University reserves the right not to fill up any post and may decrease or increase the number of posts.
 3. NSUT, besides its main campus at Dwarka, is also having two more campuses mainly East Campus at Geeta Colony (Formerly AIACTR) and West Campus at Jaffarpur, Najafgarh (Formerly CBPGEC). The candidates who are selected for the above post may be transferred to any of the above campuses or any other campus which may be created in future by NSUT.

The online application form and other relevant details regarding educational qualifications, experience, Short-listing criteria, terms and conditions of appointment, reservation policy, etc. required for teaching posts advertised are available in subsequent paras. Candidates who wish to apply for the above posts are required to fill online applications only followed by submission of print out of filled application form alongwith relevant Annexures.

Separate applications should be **filled in online mode only** for each post followed by submission of print out of filled application form alongwith relevant annexure, failing which the application(s) is/are liable to be rejected. Application should be filled in capital letters only. The applications should be sent in an envelope super scribed on it post applied for, whichever the case may be, Name, Address, Category, Applicant ID and Department, mandatorily as per detail given below:-

Application for the post of _____ in the department of Architecture Name Applicant ID Category Address

**(I) MINIMUM QUALIFICATION AND EXPERIENCE:
ASSISTANT PROFESSOR ,ASSOCIATE PROFESSOR
AND PROFESSOR -**

(II) MINIMUM QUALIFICATION AND EXPERIENCE: PROFESSOR

1.	Name of the post	Qualifications
	PROFESSOR (ARCHITECTURE) QUALIFICATION & EXPERIENCE FOR CANDIDATES FROM TEACHING & INDUSTRY	PROFESSOR (ARCHITECTURE) Educational Qualification: A. Ph. D. degree in Architecture or Allied area and First class or equivalent at either Bachelor's or Master's level in the relevant branch AND B. At least 6 research publications at the level of Associate Professor in SCI journals / UGC / AICTE approved list of journals and at least 2 successful Ph.D. guided as Supervisor / Co- supervisor. OR At least 10 research publications at the

		<p>level of Associate Professor in SCI journals / UGC / AICTE approved list of journals.</p> <p style="text-align: center;">AND</p> <p>C. Minimum of 14 years of experience in teaching/ research / professional work out of which at least 5 years shall be at a post equivalent to that of an Associate Professor</p> <p style="text-align: center;">OR</p> <p>C. Nineteen years of Practice Experience out of which at least five years must be teaching experience as a visiting faculty</p>
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(I) **MINIMUM QUALIFICATION AND EXPERIENCE: ASSOCIATE PROFESSOR**

1.	Name of the post	Qualifications
	<p>ASSOCIATE PROFESSOR (ARCHITECTURE)</p> <p>QUALIFICATION & EXPERIENCE FOR CANDIDATES FROM TEACHING & INDUSTRY</p>	<p>ASSOCIATE PROFESSOR (ARCHITECTURE)</p> <p>EDUCATIONAL QUALIFICATION:</p> <p>A. Ph.D. degree in Architecture or allied area and First class or equivalent at either Bachelor's or Master's level in the relevant branch</p> <p style="text-align: center;">AND</p> <p>B. At least total 6 research publications in SCI journals / UGC / AICTE approved list of journals.</p> <p style="text-align: center;">AND</p> <p>C. Minimum of 8 years of experience in teaching / research / industry out of which at least 2 years shall be Post Ph.D. experience</p> <p style="text-align: center;">OR</p> <p>C. Thirteen years of Practice Experience</p>

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(II) **MINIMUM QUALIFICATION AND EXPERIENCE: ASSISTANT PROFESSOR**

1.	Name of the post	Qualifications
	ASSISTANT PROFESSOR (ARCHITECTURE) QUALIFICATION & EXPERIENCE FOR CANDIDATES FROM TEACHING & INDUSTRY	ASSISTANT PROFESSOR (ARCHITECTURE) ESSENTIAL QUALIFICATIONS Bachelor's Degree in Architecture AND M. Arch. or allied subject, with FIRST Class in at least one of the above qualifications.

Note: Out of the above required research publications as mentioned in the essential qualifications for the post of Professor and Associate Professor, minimum 03 publications should be Science Citation index (SCI) or Science Citation Index Expanded (SCIE).

- (III) Equivalence for PhD is based on publication of 5 International Journal papers, each Journal having a cumulative impact index of not less than 2.0, with incumbent as the main author and all 5 publications being in the authors' area of specialization.
- (IV) PhD shall be from a recognized University.
- (V) Experience at Diploma Institutions is also considered equivalent to experience in degree level Institutions at appropriate level and as applicable. However, qualifications as above shall be mandatory.
- (VI) If a class/division is not awarded, minimum of 60% marks in aggregate shall be considered equivalent to first class/division. If a Grade Point System is adopted the CGPA will be converted into equivalent marks as below:

Grade Points	Equivalent percentage
6.25	55%
6.75	60%
7.25	65%
7.75	70%

8.25	75%
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(Subject to conversion formula not provided by the degree awarding University/
Institutions)

- (VII) Candidates who have done Ph.D. after the Bachelor's Degree from an institution of National importance with GATE/GPAT/CEED shall be eligible for the post of Assistant Professor.

Note: In case of any other relevant degree which may be submitted by any candidate, the same shall be examined by the University through a committee. University decision shall be final in this regard.

Eligibility Criteria:-

1. The candidate must be a citizen of India.
2. The educational qualification, experience, age and other eligibility conditions as stipulated in advertisement shall be determined as on the 1st August, 2021.
3. Only candidates registered with Council of Architecture (COA) under the provisions of the Architects Act, 1972 shall be eligible for the above posts. The experience (teaching and practice) shall be counted only from the date of registering with the COA

AGE LIMIT:

Name of the Post	Age Limit
Professor	55 years
Associate Professor	50 years
Assistant Professor	35 years

Conditions for age relaxation:

Relaxation for Government Servant* upto 5 years in accordance with the instructions/ orders issued by Govt. of India from time to time. The crucial date for determining the age limit shall be the 01.08.2021. Candidates who are:-

1. born on or before 01.08.1966 will not be eligible to apply for the post of Professor.
2. born on or before 01.08.1971 will not be eligible to apply for the post of Associate Professor.
3. born on or before 01.08.1986 will not be eligible to apply for the post of Assistant Professor.

- (i) The age relaxation for ST candidates will be 5 years as per Govt. of India instructions.
- (ii) The age relaxation for PWD candidates will be 10 years (15 years for ST) as per Govt. of India instructions

*Government Servant means employees of Government, Universities/ Institutions funded by the Government and Autonomous organizations of Government. Government means Central Government of India and various Governments of State and Union Territories of Republic of India.

One time relaxation in upper age limit will be given to the persons who were working as contract faculty member in erstwhile Ambedkar Institute of Advanced Communication Technology and Research, Geeta Colony (AICTR) & Chaudhary Braham Prakash government Engineering College, Jaffarpur, (CBPGEC) in NSUT at the time of merger of these Institutes with NSUT. Relaxation will be given to the extent of the period of contractual service as faculty member rendered in these Institutes.

Reservation Benefits: -

1. Reservation benefits will be available to the ST/PWD in accordance with the instructions/Orders/Circulars issued from time to time by the Govt. of Delhi.
2. Candidates who wish to be considered against reserved vacancies and /or to seek age relaxation, must be in possession as on 01/08/2021 of relevant certificates (ST/PWD/ Educational/ Experience etc.) issued by the competent / notified authority in prescribed format otherwise their claim for any category will not be entertained. The candidate has to select that particular category when applying online for the post. No request for change of Category will be entertained at any later stage.
 - (i) The candidates belonging to SC/ST/EWS/OBC may also apply as General candidates in UR Category but their applications under UR category will be treated on merit.
 - (ii) The candidates belonging to ST in other states are also eligible to apply under the category of ST, subject to submission of relevant certificates.
 - (iii) No relaxation for age will be applicable for SC/ST/OBC candidates who are applying against general vacancy.

GENERAL CONDITIONS

1. All entrants would be covered mandatorily under the New Pension Scheme (NPS) as a policy duly approved by the Govt. of NCT of Delhi.
2. The prescribed qualifications/experience is the minimum and the mere possession and fulfilling the essential and desirable qualifications of the same does not entitle the candidates to be called for the interview.

3. The candidates are advised to go through the **Guidelines for Screening cum Assessment for direct appointment to the position of Professor, Associate Professor and Assistant Professor at Annexure-A.**
4. The candidates already in Govt./Semi-Govt service / Autonomous Institutions/ PSU/Universities/etc. must apply **by uploading the 'No Objection Certificate'** alongwith their applications. In case any candidate fails to obtain/upload No Objection Certificate, the same is mandatorily is to be produced at the time of Interview, if shortlisted.
5. All the candidates should submit their applications online on or before **07.09.2021 (Tuesday)** and thereafter **send the printout of it** with self- attested copies of all documents in support of academic and research performance and other scholarly and academic credentials/ accomplishments on or before **21.09.2021 (Tuesday)**. Original certificates should be produced at the time of Document Verification before the Interview.
6. The candidates short-listed for the interview shall be informed by E- mail/website. The candidates are advised in their own interest to mention their correct mobile no. and email IDs in the application. They are also advised to regularly visit the website.
7. No TA/DA in connection with appearing in the interview etc. will be paid to the candidate.
8. Incomplete applications or applications received after last date shall not be considered. Application will be considered only if both online and hard copy application form, duly filled, are received by due date. University shall not be liable for any postal delay.

Eligible persons may file their applications online only by visiting the NSUT website <http://www.nsut.ac.in>. The details of the procedure for online submission of applications, submitting of documents/certificates/ photos, etc. are available on the website itself. The candidates are required to pay the following fees (Non- Refundable) as under:

(a) **For General Category Candidates:**

Registration Fees	- Rs. 1,000/- (Rupees One Thousand Only)
Processing Fee	- Rs. 1,000/- (Rupees One Thousand Only)
Total	- Rs. 2,000/- (Rupees Two Thousand Only)

(b) For ST/PWD Category Candidates:

Registration Fees	- Nil
Processing Fee	- Rs. 1,000/- (Rupees One Thousand Only)
Total	- Rs. 1,000/- (Rupees One Thousand Only)

Note: SC/ST/PWD candidates who are applying for General Category post will have to pay the fees as per Sub-Clause (b) above.

- (c) Failure to pay the application fees would result in rejection of their applications.
9. The last date for filling up the online applications **07.09.2021 (Tuesday) till 12.00 pm (night)**. The hard copy (Print out) of filled application form alongwith all enclosures covering the candidates credentials like Educational Qualifications, experience, pay scale/ remuneration drawn, NOC from the employer, etc. (as per list) must reach on or **before 21.09.2021 (Tuesday)**. Mention “**Application for the post of (as the case may be) in the Architecture Department in NSUT**” on the envelope containing the hard copy of the Form and Annexure, University will not be responsible for any postal delay.

Address for submission of Hard Copy-

**The Registrar,
Netaji Subhas University of
Technology, Azad Hind Fauj Marg,
Sector-3, Dwarka, New Delhi-
110078**

REGISTRAR, NSUT



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Guidelines for Screening cum Assessment of the candidates for direct appointment to the posts of Professor/ Associate Professor and Assistant Professor

1. **General Guidelines:**

- (i) The direct recruitment to the posts of Professor/ Associate Professor and Assistant Professor in the University shall be on the basis of merit and would be conducted through all India advertisement and selection by the duly-constituted Selection Committees.
- (ii) The overall selection procedure shall incorporate a transparent, objective and credible methodology of analysis of the merits and credentials of the applicants, based on the weightage given to the performance of the candidate in different relevant dimensions.
- (iii) Mere possession of minimum qualifications, for the post applied for, may not entitle a candidate for a call for the interview.
- (iv) The University shall have the right to restrict the number of candidates to a reasonable number (normally 12 candidates for the first post and 5 candidates for each subsequent post) to be called for interview, based on the recommendations of the Screening Committee constituted for this purpose which shall be on the basis of Assessment as per Table 1 considering their qualifications, experience (higher than the minimum prescribed), relevant scholarly credentials and academic achievements or by any other conditions that it may deem fit.
- (v) The University shall conduct a written test for the post of Assistant Professor to shortlist the candidates. Only those candidates who will obtain more than the minimum cut off marks (in the written test), shall be considered for further assessment of their credentials as per Table 1. Cut off criteria is given in the Para 3 (f) of the **Annexure A**.

- (vi) After allocation of the weightages to all the eligible candidates (Qualified in written test and exempted from written test), the Screening Committee will draw a list of all the eligible candidates indicating the points scored by them as per Table 1 in descending order for the purpose of shortlisting the candidates for the Interview in accordance with the criteria mentioned in Point No.(iv) above. Details regarding exemption from the written test, are available in subsequent paras.
- (vii) In case of tie in the points of two or more candidates for the last slot, all the candidates with the same score shall be called for interview.

2. **Screening-cum-Assessment Criteria for Direct Recruitments:**

The applications received for the teaching posts shall be screened on the basis of Academic and Research Performance and other scholarly and academic credentials/accomplishments of the candidates as per Table 1

Table 1

Assignment of weightage/points for Academic record, Research performance and other scholarly credentials & academic achievements for the positions of Assistant Professor/Associate Professor/Professor:

	Criteria	Assistant Professor	Associate Professor	Professor
	Qualification, Experience, Research Performance and other Academic achievements	Minimum qualification & experience as per recruitment rules of the University		
A	Academic record	Points	Points	Points
1.	UG (B.Arch.):Maximum points	15	15	15
	a. First Class/Division or equivalent CGPA	8	8	8
	b. Aggregate marks \geq 75% or equivalent CGPA	12	12	12
	c. Aggregate marks \geq 85 % or equivalent CGPA	15	15	15
2.	PG (M. Arch): Maximum Points	20	20	20
	a. First Class/Division or equivalent CGPA	12	12	12
	b. Aggregate Marks \geq 75% or equivalent CGPA	14	14	14
	c. Aggregate Marks \geq 85% or equivalent CGPA	17	17	17

	d. First class with one paper in SCI/SCIE/SSCI indexed Journals from the content of M. Arch Thesis as First/Second/ Corresponding author	20	20	20
3.	Ph.D.: Maximum Points	10	10	10
	a. Ph.D. with 3 SCI/SCIE/SSCI indexed journal papers from the work contained in the PhD Thesis as First/Second/Corresponding author	10	10	10
	b. Ph. D with 2 SCI/SCIE/SSCI indexed journal papers from the work contained in the PhD Thesis as First/Second/Corresponding author.	9	9	9
	c. Ph.D with 1 SCI/SCIE/SSCI indexed journal paper from the work contained in the PhD Thesis as First/Second/Corresponding author OR Ph.D with 3 papers in UGC- CARE listed Journals (other than a, b, above) in the area of Ph. D Thesis	8	8	8
	d. Ph. D with 2 papers in UGC-CARE list Journals (Other than a.b.c.)	6	6	6
4.	a. GATE	5	5	5
	Total Marks – A	50	50	50
B	Experience and Research Performance	Points	Points	Points
5.	Teaching/Research /Industrial Experience: Max Points	20	15 Above minimum eligibility	10 Above minimum eligibility

	a. Teaching (UG/PG)/ Professional/Industry/Research Experience, with regular scale in the equivalent position of post	4/Year	3/Year	2/Year
	c. PDF /D.S. Kothari/Inspire/ Equivalent fellowship of Govt./Reputed organizations in India or abroad after Ph.D.	4/Year	3/Year	2/Year
6.	Research Publications : Max Points	10	10	10
	a. International/National Journal indexed in Thomson Reuters/ Clarivate Analytics(SCI/SCIE/ SSCI): (i) First/second/Corresponding author	3/Paper	2/Paper	2/Paper
	(ii) for other Co-authors	1/Paper	1/Paper	1/Paper
	b. Research papers in UGC-CARE list of journals (other than 'a.' above) as First/Second/ corresponding author (Max 3 points)	0.5/Paper	0.5/Paper	0.5/Paper
	c. Books published with ISSN/ISBN No.: International Publishers: to be divided equally if more than one author (Max 5 points)	3/Book	2/Book	2/Book
	d. Books published with ISSN/ISBN No. : National Publishers: to be divided equally if more than one author (Max 4 points)	2/Book	1/Book	1/Book
7.	Research/Consultancy Projects (completed) Max Points	10	10	15
	a. Projects above 15 lakh	10/Project	5/Project	5/Project
	b. Projects above 5 lakh	5/Project	3/Project	3/Project
	c. Projects above 2 lakh	3/Project	2/Project	2/Project

8.	Patents: Maximum Points	3	5	5
	a. Awarded	3/Patent	3/Patent	3/Patent
	b. Published (Max 3 Points)	1/Patent	1/Patent	1/Patent
9.	Research Guidance: (Max Points)	3	5	5
	Ph.D. guided and Degree awarded under the supervision of the applicant			
	(a) As Sole Supervisor	3/Student	3/Student	2/Student
	(b) As Joint Supervisor	2/Student	1.5/Student	1/Student
10	Max. Points	2	3	3
	Seminars/conferences/symposia/ workshops/ training programmes etc. organized as Organizer/ Coordinator (Max. 2 points)	1 for 1 day programme and 2 for more than 1 day	1 for 1 day programme and 2 for more than 1 day	0.5 for 1 day programme and 1 for more than 1 day
11	Max. Points	2	2	2
	(a) Fellow of any of the three National Academies of Science/ National Academy of Engineering/ Fellow of IIA/IUA/IEEE/ IEE/ASME/ASCE/ACM, Shanti Swarup Bhatnagar Awardee etc.	(a) 2	(a) 2 for any one	(a) 2 for anyone
	(b) Editor/Associate Editor of SCI/ SCIE/SSCI indexed journals	(b) 2 for each	(b) 2 for each	(b) 2 for each
	(c) Fellowship of National organizations like IE (India) etc.	(c) 2 for each	(c) 2 for each	(c) 1 for each
	(d) Reviewer of SCI/SCIE/SSCI indexed Journals	(d) 2 for each	(d)2 for each	(d)1 for each
	Total Points: B	50	50	50
	Grand Total: A+B	100	100	100

Abbreviation Used:-

PG-Post Graduation, UG-Under Graduation, SCI- Science Citation Index, SCIE- Science Citation Index Expanded, SSCI- Social Sciences Citation Index.

NOTES:

- (a) Assessment/shortlisting of the candidates shall be based on the evidence uploaded by the applicant such as: copy of the publications, Sanction letters of the projects, Certificates of utilization/completion of the projects (issued by the Institute/ University), acknowledgements for patent filing and approval letters, Ph.D. award letter/notification of research scholars guided, etc.
- (b) In the disciplines where specialized programmes are being run, Screening Committee may shortlist the candidates for interview, from amongst the eligible candidates having area of specialization required for the posts.
- (c) Selection Committee may not be held if the number of eligible candidates for any position (Assistant Professor/Associate Professor/Professor) is less than three. In such cases, the positions shall be re-advertised.
- (d) Depending upon the exigency and requirements of the University, the condition of minimum/maximum number of candidates to be called for interview may be relaxed by the University.
- (e) Teaching experience as full-time faculty member with regular scale in any recognized University/College/Institution of Higher Education at appropriate position shall be counted for 5(a) of Table 1.
- (f) Research experience, after Ph.D. as full-time Post-doctoral Fellow/ Research Associate/Research Scientist etc., in a recognized University/ Research Organization in India or abroad shall be counted for 5(b) & 5(c) of Table1.
- (g) **Experience certificate clearly mentioning** pay scale, Period of service, name of the post whether full-time/ part time, whether regular/ contract /ad hoc basis, will be required to be submitted. **Certificates lacking any of the above aspect shall not be treated as valid.**
- (h) If a class/division is not awarded, a minimum of 60% marks in aggregate shall be considered equivalent to first class/ division. If a Grade Point System is adopted but the conversion formula is not provided by the concerned University/Institution, the applicant can convert their CGPA into equivalent marks as per formula: **Aggregate Percentage of marks = (CGPA - 0.75) × 10**
- (i) If any false information is provided by the candidate, his/her candidature for the post shall stand cancelled.

3. Conduct of Written Test for Short listing of Candidates for the post of Assistant Professor:

There may be a written test for shortlisting of the candidates, in the case of Recruitment of Assistant Professor. The University shall conduct a written test for short listing of the candidates as follows:

- a. The applications received shall be scrutinized as per the eligibility criteria notified in the advertisement by the University for the Respective post.
- b. List of eligible candidates for appearing in the written test shall be uploaded on the University website.
- c. The eligible candidates shall be required to download Admit Cards from the University website for appearing in the written test.
- d. The written test for the post of Assistant Professor shall be based on prescribed syllabus which is attached herewith as **Annexure B**.
- e. The date of the Written Test shall be notified in due course of time on the University website. The candidates shall be advised to visit the University website from time to time for further updates.
- f. The cut off for the written test:
 - (a) The minimum cut off marks for written test for General category applicants shall be taken as marks equal or more than 50% of X ("X" is being defined in the subsequent lines). Further, for ST/PWD category minimum cut off marks for written test shall be as 45% of X. For this purpose, X is defined as the average marks obtained by the top five applicants in the written test.
 - (b) The minimum cut off marks shall be a minimum of 35% and 30% marks (absolute) for General and ST/PWD candidates, respectively in the written test.The higher marks out of (a) and (b) of the above shall be considered as final cut off marks.
- g. Mere qualifying the written test shall not guarantee the candidate to be called for interview.
- h. A pool of the eligible candidates will be formed including the candidates who qualify the written test and the candidates who were exempted from the written test. These candidates who are part of the pool shall be assessed as per Table 1.

- i. The number of candidates from the above pool of eligible candidates to be called for interview shall be based on aggregate points obtained as per Table I and the criteria mentioned in the point (iv) of general guidelines of this Annexure.

4. Exemption from the written test:

The exemption from the Written Test for the purpose of recruitment to the post of Assistant Professor shall be granted to the candidates who has a Ph.D. degree in the relevant branch and if:

- 1) the candidate has at-least one publication in Category I **OR**
- 2) the candidate has at-least two publications in Category II **OR**
- 3) the candidate has at-least one publication in Category II & four publications in category III **OR**
- 4) The candidate has at-least seven publications in Category III.

Mere exemption from written test will not guarantee a candidate the call for an interview. The candidates to be called for the interview would be based upon aggregate points obtained as per table-1.

Categorization of Journals: Latest list of indexing and impact factor of journals shall be considered.

CATEGORY I – OUTSTANDING RESEARCH PUBLICATIONS

The paper must be published in the following journals:

- Nature
- Science

The candidate must have contribution either as a First/second author or Corresponding author.

CATEGORY II – PREMIER RESEARCH PUBLICATIONS

The paper(s) must be published in the SCI/SSCI/SCIE indexed journals **with impact factor (Thomson Reuters/Clarivate Analytics) of at-least 2.0 (two)** for IEEE Transactions and IET (formerly, IEE UK) Journals; and **impact factor of at least 1.0 (one)** for all others in the following:

1. Proceedings of the Royal Society
2. American Mathematical Society
3. American Physical Society
4. American Society for Mechanical Engineers (ASME)
5. Association for Computing Machinery (ACM) Transactions
6. Institute of Mechanical Engineering, London

7. American Society of Testing Materials (ASTM)
8. American Society for Civil Engineers (ASCE)
9. Institute of Architecture And Planning Publishing, London

In addition to the above list, the SCI/SSCI or SCI expanded indexed journals with impact factor (Thomson Reuters/Clarivate Analytics) equal to or more than (four) shall also be considered in category II.

The candidate must have contribution either as a First/Second Author or Corresponding Author.

CATEGORY III – COMMENDABLE RESEARCH PUBLICATIONS

The papers must be published in the following SCI/SSCI/SCIE indexed journals with **impact factor (Thomson Reuters/Clarivate Analytics) of at least 1.0 (one)**:

1. IEEE Transactions IEEE Journals
2. IET (formerly IEE, UK) Journals
3. Springer
4. Elsevier (Science Direct)
5. Taylor and Francis
6. Oxford University Press
7. Pergamon-Elsevier Science Ltd
8. Cambridge University Press
9. Wiley- Blackwell
10. Blackwell Publishing
11. John Wiley & Sons
12. World Scientific Publishers
13. Biomedical Central Ltd
14. MIT Press
15. Indiana University Press
16. American Meteorological Society
17. American Physiological Society
18. American Society of Microbiology
19. American Chemical Society
20. American Institute of Physics
21. IOP Publishing Ltd.
22. Massachusetts Medical Society
23. IOS Press
24. Princeton University Press
25. Society of Industrial and Applied Mathematics

26. Proceedings of National Academy of Science of the USA

27. Nature Publishing Group

In addition to the above, SCI/SSCI or SCI expanded indexed journals not included in the above list having an impact factor (Thomson Reuters/Clarivate Analytics) of at least 1.5 (one & half) shall also be considered for Category III. The candidate must have contribution either as a First/Second author or Corresponding author.

5. Claim for Exemption from the written test

The candidates who wish to be considered for exemption from the written test should mention the same in the online application form. In case the exemption is claimed, necessary documents in support of the claim should be Uploaded along with the online application form.

5.1 Weightage in the Written Test

The candidates having Ph.D. degree, who could not become eligible for exemption of written test as notified, but have good research papers as a First/Second author or corresponding author will be given weightage of 2% of maximum marks of written test for each research paper in category II/III of para 4 for the post of Assistant Professor. However, the maximum weightage including all weightages will not exceed 5% of the maximum marks of the written test.

6. Seminar/Presentation by the short-listed Candidates:

- (i) Before the personal interview, the University shall assess the teaching aptitude and ability of the candidate through a seminar/ lecture in a classroom using the latest technology.
- (ii) The shortlisted candidates shall be required to make a presentation before the Committee as above in the concerned Department in the presence of faculty members/ students of the Department, prior to appearing for interview before the Selection Committee. Grading shall be given by the above Committee to all the candidates as 'A', 'B', 'C', or 'D' on the basis of their performance/presentation in the Department. The above grades are defined as under:

Grade A: Very Good

Grade B: Good

Grade C: Average

Grade D: Below Average

- (iii) The confidential report, placed in a sealed cover duly signed by all the members of the Committee, shall be provided to the Chairman of the Selection Committee for necessary consideration during the interview of the candidates. Decision of his/her suitability shall be taken by the Selection Committee.

7. Overall weightages of the credentials, teaching feedback and personal Interview:

For the final selection of the candidates:

- 50% weightage shall be given on the points/scores earned by the candidates on the basis of the criteria/parameters given in Table 1, and
- The remaining 50% weightage shall be given on the performance of the candidate in the interview (which will take due cognizance of the feedback on his/her teaching aptitude/ability, as provided by the Committee constituted for this purpose).
- Minimum cut off marks out of 100 required to be obtained by a candidate to be eligible for selection will be decided by the selection committee which shall not be less than 50 in any case in respect of General and 45 for ST/PWD.

***SYLLABUS FOR THE WRITTEN TEST FOR THE POST OF ASSISTANT PROFESSOR
(ARCHITECTURE)***

Part A:

Common Section 1: Architecture, Planning and Design

Architectural Graphics; Visual composition in 2D and 3D; Computer application in Architecture and Planning; Anthropometrics; Organization of space; Circulation- horizontal and vertical; Space Standards; Universal design; Building byelaws; Codes and standards;

Section 2: Construction and Management

Project management techniques e.g. PERT, CPM etc.; Estimation and Specification; Professional practice and ethics; Form and Structure; Principles and design of disaster resistant structures; Temporary structures for rehabilitation;

Section 3: Environmental Planning and Design

Natural and man-made ecosystem; Ecological principles; Environmental considerations in Planning and design; Environmental pollution- types, causes, controls and abatement strategies; Sustainable development, goals and strategies; Climate change and built environment; Climate responsive design;

Section 4: Urban Design, landscape and Conservation

Historical and modern examples of urban design; Elements of urban built environment – urban form, spaces, structure, pattern, fabric, texture, grain etc.; Concepts and theories of urban design; Principles, tools and techniques of urban design; Public spaces, character, spatial qualities and Sense of Place; Urban design interventions for sustainable development and transportation; Development controls – FAR, densities and building byelaws.; Urban renewal and conservation; heritage conservation; historical public spaces and gardens; Landscape design; Site planning;

Section 5: Planning process

Salient concepts, theories and principles of urban planning; concepts of cities - Eco-City, Smart City; Concepts and theories by trendsetting planners and designers; Ekistics; Urban sociology; Social, Economic and environmental cost benefit analysis; Methods of non-spatial and spatial data analysis; Development guidelines such as URDPFI;

Section 6: Housing

Housing typologies; Concepts, principles and examples of neighbourhood; Residential densities; Affordable Housing; Real estate valuation;

Section 7: Services and Infrastructure

Firefighting Systems; Building Safety and Security systems; Building Management Systems; Water treatment; Water supply and distribution system; Water harvesting systems; Principles, Planning and Design of storm water drainage system; Sewage disposal methods; Methods of solid waste management - collection, transportation and disposal; Recycling and Reuse of solid waste; Landuse – transportation - urban form inter-relationships; Design of roads, intersections, grade separators and parking areas; Hierarchy of roads and level of service; Para-transits and other modes of transportation, Pedestrian and slow moving traffic planning;

Part B1: Architecture

Section B1.1: History and Contemporary Architecture

Principles of Art and Architecture; World History of Architecture: Egyptian, Greco-Roman classical period, Byzantine, Gothic, Renaissance, Baroque-Rococo, etc.; Recent trends in Contemporary Architecture: Art nouveau, Art Deco, Eclecticism, International styles, Post Modernism, Deconstruction in architecture, etc.; Influence of Modern art and Design in Architecture; Indian vernacular and traditional Architecture, Oriental Architecture; Works of renowned national and international architects;

Section B1.2: Building Construction and Structural systems

Building construction techniques, methods and details; Building systems and prefabrication of building elements; Principles of Modular Coordination; Construction planning and equipment; Building material characteristics and applications; Principles of strength of materials; Alternative building materials; Foundations; Design of structural elements with different materials; Elastic and Limit State design; Structural systems; Principles of Pre-stressing; High Rise and Long Span structures, gravity and lateral load resisting systems;

Section B1.3: Building Services and Sustainability

Solar architecture; Thermal, visual and acoustic comfort in built environments; Natural and Mechanical ventilation in buildings; Air-Conditioning systems; Sustainable building strategies; Building Performance Simulation and Evaluation; Intelligent Buildings; Water supply; Sewerage and drainage systems; Sanitary fittings and fixtures; Plumbing systems; Principles of internal and external drainage system; Principles of electrification of buildings; Elevators and Escalators - standards and uses;

Part B2: Planning

Section B2.1: Regional and Settlement Planning

Regional delineation; settlement hierarchy; Types and hierarchy of plans; Various schemes and programs of central government; Transit Oriented Development (TOD), SEZ, SRZ etc.; Public Perception and user behaviour; National Housing Policies, Programs and Schemes.; Slums, Squatters and informal housing; Standards for housing and community facilities; Housing for special areas and needs;

Section B2.2: Planning Techniques and Management

Application of G.I.S and Remote Sensing techniques in urban and regional planning; Tools and techniques of Surveys – Physical, Topographical, Land use and Socio-economic Surveys; Urban Economics, Law of demand and supply of land and its use in planning; Graphic presentation of spatial data; Local self-governance, Panchayatiraj institutions; Planning Legislation and implementation – Land Acquisition Act, PPP etc.; Decision support system and Land Information System; Urban geography and econometrics; Management of Infrastructure Projects; Demography and equity in planning;

Section B2.3: Infrastructure Planning

Process and Principles of Transportation Planning and Traffic Engineering; Road capacity and Travel demand forecasting; Traffic survey methods, Traffic flow Analysis; Traffic analyses and design considerations; Traffic and transport management and control in urban areas; Mass transportation planning; Intelligent Transportation Systems; Urban and Rural Infrastructure System Network.