



भारतीय प्रौद्योगिकी संस्थान भुवनेश्वर Indian Institute of Technology Bhubaneswar

F. No. 3-25/2022-Rectt.

Date: 13th July 2023

सूचना /NOTICE

Sub.: Provisionally shortlisted candidates for Written Test, Skill Test and Interview for the post of Software Engineer

Ref: Advertisement No. Rectt./01/ Non-Teaching/ 2022 dated. 04 May 2022

This is to notify that the **Written Test, Skill Test and Interview** of the provisionally shortlisted candidates at **Annexure-II** for the post of **Software Engineer (UR-1)** will be held as per the following schedule & list:

A. Written Test, Skill Test and Interview Schedule and Syllabus		
1	Date of Written Test and Skill Test	27 July 2023 (Thursday)
2	Reporting Time	09:00 A.M.
3	Date of Interview	28 July 2023 (Friday)
4	Reporting Time	08.00 A.M.
5	Venue	Indian Institute of Technology Bhubaneswar, Argul, Khordha, PIN - 752050, Odisha Ph. 0674-7134811/4815
6	Syllabus and other details of Tests	Annexure -I
B. Details of candidates shortlisted / Not shortlisted /hardcopy not received		
1	List of Provisionally shortlisted candidates	Annexure -II
2 (a)	List of candidates not shortlisted based on eligibility criteria	Annexure-III (A)
(b)	List of candidates not shortlisted whose hardcopy of applications were not received within due date i.e. 13 June 2022	Annexure-III (B)

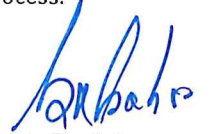
The candidates are also requested to note the followings:

- 1) The screening of applications for the post of **Software Engineer** at Pay Level-10 has been done only for those candidates whose hardcopies were received at the Institute by the last date i.e. 13 June 2022 as per advertisement.
- 2) **The shortlisted candidates listed at Annexure – II are required to appear for the Written Test and Skill test based on this notification only along with copy of the e-mail received.** No individual hard copy of the call letter shall be sent. A list of shortlisted candidates for appearing interview, who are qualified in the skill test, will be made based on the written test score.
- 3) The list of candidates not fulfilling the eligibility requirements are given in Annexure –III(A) along with the reasons thereof.
- 4) The candidates listed at **Annexure-III (A) & III (B)** whose applications are not shortlisted may submit their representation only on Google Form link “<https://docs.google.com/forms/d/1Ai05JmI2RB8eVh22UonCfyGhNB7o6yZ7F68LbUjd5dg>” by 5.00 P.M. of **16 July 2023**. No further communication shall be entertained, beyond the said date & time.
- 5) The candidates are also advised to visit the Institute website (<http://www.iitbbs.ac.in>) regularly for any further updates.

P.T.O

Other Instructions for the candidates for appearing for above tests/Interview:

1. Candidates are required to produce a Proof of Identity issued by Govt. **(in original)** such as Aadhar Card/Passport/Driving License/PAN Card/Voter Card etc. without which the candidates will not be permitted to appear for the Written Test and Skill/Trade Test. No photocopies of the above documents shall be entertained.
2. Candidates are required to bring all the **original** Educational Certificates, Mark-sheets, testimonials, experience certificates, category certificates (SC/ST/OBC/PWD/EWS), if applicable, and any other relevant documents as mentioned in the Application Form. During actual verification from original documents, if any discrepancy is noticed, candidate(s) will not be allowed to appear for the Written Test and Skill/Trade Test.
3. Candidates are requested to bring a '**No Objection Certificate**' along with **Vigilance Clearance Certificate** from the employer, in case he/she is employed in a Government, Semi-Government, Autonomous Organization including Public Sector Undertakings etc. and whose application has not been forwarded through proper channel by the employer for this post. In the absence of **No Objection Certificate** and or any other certificate as mentioned above, the candidature shall not be considered.
4. Candidates must report at **8:00 A.M.** sharp in the scheduled date and venue, failing which the candidates will not be allowed to appear in the Written Test and Interview.
5. Electronic gadgets such as Bluetooth, mobile phone, laptop, iPad, Smart watch, calculator etc. are not allowed in the examination hall. The candidates are required to bring writing materials such as ball point Pen (blue/black) and HB Pencil etc.
6. No TA/DA shall be paid to the candidates for attending the Written Test and Interview. The candidates are advised to make their own arrangement for lodging and boarding to appear the recruitment process.



Deputy Registrar



उप कुलसचिव (स्थापना)

Deputy Registrar (Estt.)

भा.प्रौ.सं. भुवनेश्वर / IIT Bhubaneswar
अरण्य, जटनी/Argul, Jatni-752050, ओडिशा/Odisha

SYLLABUS-WRITTEN TEST
Name of the Post -: Software Engineer

Time for Part A and B= 1hr 25 mins

Part-A: Domain Knowledge Test

Objective Type
Syllabus: <u>1. Basic algorithm and programming concepts (based on C language):</u> <ul style="list-style-type: none">- Variables, Datatypes, Loops, Arrays, Pointers, Recursion- Data Structures (Arrays, Linked List, Stacks, Queue, Trees) - Sorting, Searching, and graph algorithms <u>2. OOAD/OOP/UML concepts (Java/C++):</u> <ul style="list-style-type: none">- Classes, Objects, abstraction, encapsulation, inheritance, and polymorphism- UML Diagram(like Class Diagram ,Object Diagram, Activity Diagrams,Use Case Diagrams,Sequence Diagram, state machines etc) <u>3. Database concepts:</u> <ul style="list-style-type: none">- ER Diagram, DDL, DML Queries- Normalization and decomposition, hashing and indexing - Transaction processing, concurrency control, and recovery- Database security (Access control mechanism, statistical database challenges, flow control) <u>4. Operating systems basics and concepts:</u> <ul style="list-style-type: none">- Process concepts, Threads & multi-threaded programming, Scheduling, Paging, Deadlocks, Memory management, File & Disk Management <u>5. Other software engineering concepts:</u> <ul style="list-style-type: none">- Software Development Life Cycles (Waterfall Model, Iterative Model, Spiral Model, V-Model, UPModel, Agile)- SRS Document- Software testing(Unit Testing, Blackbox testing, Whitebox testing) <u>6. Other technologies and frameworks:</u> <ul style="list-style-type: none">- MVC framework, Hibernate, Maven, PHP, Java, JSP, Spring, JDBC, jQuery

bat

Part- B: General Awareness Test

Objective Type
Syllabus: <ul style="list-style-type: none">• Arithmetic/ basic algebra, Numerical Aptitudes• Logical Reasoning

Part-C: Skill Test (Computer-based)

Time : 2 Hours
Broad Topics: 1) Basic Programming in C (implementation of some given problems in C) 2) Object-oriented analysis and design, development: <ul style="list-style-type: none">• Identification of functional and non-functional requirements, users/use-cases• OOAD: Domain modeling, identifying the objects, classes, attributes and methods of classes, relations among classes, preparing the design models: class diagrams, sequence diagrams etc• Preliminary implementation of the design in a programming language of choice (Java/C++/other)

N.B.:

1. The candidates who will be shortlisted in the Written Test on 27 July 2023 would be permitted to appear for Skill/Trade Test on the same day.
2. The skill test is qualifying in nature.
3. A list of shortlisted candidates for appearing interview, who are qualified in the skill test, will be made based on the written test score. The list of candidates shortlisted for Interview (to be held on 28 July 2023) will be posted on the Institute website on the day of the written test.
4. The final merit list will be based on the both written test & Interview marks.
5. The result will be published in the Institute website.

 उप कुलसचिव (स्थापना)
Deputy Registrar (Estt.)
भा.प्रौ.सं. भुवनेश्वर / IIT Bhubaneswar
अरगुल, जटनी/Argul, Jatni-752050, ओडिशा/Odisha

List of Provisionally Shortlisted Candidates for Written Test / Skill test for the post of

" Software Engineer"

S.N.	Application No.	S.N.	Application No.	S.N.	Application No.
1	NT-040522-23-SE-0004	36	NT-040522-4046-SE-0085	71	NT-040522-7127-SE-0168
2	NT-040522-117-SE-0006	37	NT-040522-2617-SE-0088	72	NT-040522-7145-SE-0169
3	NT-040522-428-SE-0008	38	NT-040522-2495-SE-0089	73	NT-040522-5357-SE-0170
4	NT-040522-871-SE-0018	39	NT-040522-4345-SE-0090	74	NT-040522-3283-SE-0172
5	NT-040522-1218-SE-0022	40	NT-040522-4497-SE-0093	75	NT-040522-7231-SE-0173
6	NT-040522-1145-SE-0023	41	NT-040522-2619-SE-0094	76	NT-040522-3065-SE-0174
7	NT-040522-1432-SE-0030	42	NT-040522-4653-SE-0095	77	NT-040522-7329-SE-0176
8	NT-040522-1570-SE-0032	43	NT-040522-4636-SE-0097	78	NT-040522-1220-SE-0178
9	NT-040522-1668-SE-0033	44	NT-040522-4772-SE-0099	79	NT-040522-7374-SE-0179
10	NT-040522-1836-SE-0034	45	NT-040522-1690-SE-0101	80	NT-040522-7478-SE-0183
11	NT-040522-1952-SE-0037	46	NT-040522-4944-SE-0103	81	NT-040522-7497-SE-0184
12	NT-040522-2028-SE-0039	47	NT-040522-4200-SE-0104	82	NT-040522-7254-SE-0185
13	NT-040522-1809-SE-0043	48	NT-040522-3089-SE-0108	83	NT-040522-7230-SE-0186
14	NT-040522-2010-SE-0045	49	NT-040522-4554-SE-0109	84	NT-040522-6896-SE-0189
15	NT-040522-1791-SE-0046	50	NT-040522-4476-SE-0110	85	NT-040522-7616-SE-0190
16	NT-040522-1140-SE-0047	51	NT-040522-5158-SE-0111	86	NT-040522-7449-SE-0193
17	NT-040522-2419-SE-0048	52	NT-040522-4777-SE-0112	87	NT-040522-6588-SE-0195
18	NT-040522-2262-SE-0050	53	NT-040522-4532-SE-0116	88	NT-040522-7861-SE-0202
19	NT-040522-2293-SE-0051	54	NT-040522-4434-SE-0118	89	NT-040522-5769-SE-0203
20	NT-040522-2674-SE-0053	55	NT-040522-5586-SE-0123	90	NT-040522-3326-SE-0204
21	NT-040522-2782-SE-0054	56	NT-040522-4598-SE-0125	91	NT-040522-6044-SE-0206
22	NT-040522-1904-SE-0058	57	NT-040522-5712-SE-0126	92	NT-040522-7971-SE-0207
23	NT-040522-2968-SE-0060	58	NT-040522-5360-SE-0134	93	NT-040522-1646-SE-0208
24	NT-040522-2386-SE-0061	59	NT-040522-995-SE-0136	94	NT-040522-59-SE-0216
25	NT-040522-2888-SE-0062	60	NT-040522-3014-SE-0140	95	NT-040522-8118-SE-0220
26	NT-040522-1490-SE-0063	61	NT-040522-5569-SE-0142	96	NT-040522-7626-SE-0221
27	NT-040522-2999-SE-0068	62	NT-040522-6374-SE-0144	97	NT-040522-7368-SE-0223
28	NT-040522-2920-SE-0071	63	NT-040522-5637-SE-0148	98	NT-040522-4275-SE-0224
29	NT-040522-3063-SE-0074	64	NT-040522-6443-SE-0150	99	NT-040522-8176-SE-0228
30	NT-040522-3591-SE-0075	65	NT-040522-6615-SE-0151	100	NT-040522-7791-SE-0230
31	NT-040522-360-SE-0076	66	NT-040522-6717-SE-0153	101	NT-040522-7927-SE-0233
32	NT-040522-3813-SE-0077	67	NT-040522-5375-SE-0160	102	NT-040522-7511-SE-0234
33	NT-040522-1394-SE-0080	68	NT-040522-6326-SE-0162	103	NT-040522-3862-SE-0235
34	NT-040522-4071-SE-0081	69	NT-040522-1492-SE-0164	104	NT-040522-8169-SE-0240
35	NT-040522-272-SE-0083	70	NT-040522-7098-SE-0165	105	NT-040522-8181-SE-0241
				106	NT-040522-4178-SE-0247



List of not shortlisted candidates with reason of rejection for post of
" Software Engineer"

S.N.	Application No.	Rejection Criteria
1	NT-040522-63-SE-0005	NEQ
2	NT-040522-181-SE-0017	NARE
3	NT-040522-191-SE-0052	NARE
4	NT-040522-1876-SE-0055	NRE
5	NT-040522-2909-SE-0059	NARE
6	NT-040522-3141-SE-0065	NARE
7	NT-040522-3195-SE-0066	NARE
8	NT-040522-3256-SE-0069	NE
9	NT-040522-3098-SE-0087	NE
10	NT-040522-3398-SE-0096	NARE
11	NT-040522-4822-SE-0100	NARE
12	NT-040522-4996-SE-0105	NARE
13	NT-040522-4992-SE-0106	NARE
14	NT-040522-5266-SE-0114	NARE
15	NT-040522-5425-SE-0119	NARE
16	NT-040522-5734-SE-0128	NSRD
17	NT-040522-5924-SE-0133	NSRD
18	NT-040522-3013-SE-0139	NSRD
19	NT-040522-6126-SE-0147	NSRD
20	NT-040522-7363-SE-0177	NARE
21	NT-040522-7414-SE-0180	NARE
22	NT-040522-6515-SE-0181	NARE
23	NT-040522-6830-SE-0182	NARE
24	NT-040522-7193-SE-0197	NARE
25	NT-040522-7490-SE-0231	NARE
26	NT-040522-8193-SE-0232	NARE
27	NT-040522-8255-SE-0237	NRE
28	NT-040522-8048-SE-0249	NARE

Sl no.	Abbreviation of rejection criteria	
1	NEQ	No Essential educational qualification
2	NARE	No adequate required experience
3	NRE	No relevant experience
4	NE	No experience
5	OA	Overage
6	NSRD	Non- submission of required documents
7	NAF	No application fee
8	NBRC	Not belongs to required category

hah



उप कुलसचिव (स्थापना)
Deputy Registrar (Estt.)
भा.प्रौ.सं. भुवनेश्वर / IIT Bhubaneswar
अमल, जटनी/Argul, Jant-752050, ओडिशा/Orisha

Annexure-III (B)

List of candidates whose hardcopy of applications were not received within due date i.e. 13/06/2022

S.N.	Application No.	S.N.	Application No.	S.N.	Application No.
1	NT-040522-6-SE-0001	34	NT-040522-4459-SE-0092	67	NT-040522-7322-SE-0196
2	NT-040522-4-SE-0002	35	NT-040522-4750-SE-0098	68	NT-040522-7678-SE-0198
3	NT-040522-462-SE-0009	36	NT-040522-5010-SE-0107	69	NT-040522-5255-SE-0199
4	NT-040522-504-SE-0010	37	NT-040522-452-SE-0115	70	NT-040522-36-SE-0200
5	NT-040522-600-SE-0012	38	NT-040522-5427-SE-0120	71	NT-040522-7767-SE-0201
6	NT-040522-639-SE-0013	39	NT-040522-5035-SE-0121	72	NT-040522-7953-SE-0205
7	NT-040522-724-SE-0014	40	NT-040522-5578-SE-0122	73	NT-040522-7979-SE-0209
8	NT-040522-787-SE-0015	41	NT-040522-3220-SE-0124	74	NT-040522-7956-SE-0210
9	NT-040522-812-SE-0016	42	NT-040522-5729-SE-0127	75	NT-040522-7735-SE-0211
10	NT-040522-227-SE-0019	43	NT-040522-5860-SE-0130	76	NT-040522-2058-SE-0212
11	NT-040522-986-SE-0020	44	NT-040522-5889-SE-0131	77	NT-040522-7994-SE-0213
12	NT-040522-228-SE-0024	45	NT-040522-5840-SE-0132	78	NT-040522-6958-SE-0215
13	NT-040522-813-SE-0025	46	NT-040522-2589-SE-0137	79	NT-040522-8047-SE-0217
14	NT-040522-1302-SE-0027	47	NT-040522-6066-SE-0138	80	NT-040522-1887-SE-0218
15	NT-040522-1205-SE-0028	48	NT-040522-6261-SE-0143	81	NT-040522-8093-SE-0219
16	NT-040522-1430-SE-0029	49	NT-040522-6400-SE-0146	82	NT-040522-8153-SE-0222
17	NT-040522-883-SE-0031	50	NT-040522-3577-SE-0149	83	NT-040522-4466-SE-0225
18	NT-040522-1896-SE-0035	51	NT-040522-6744-SE-0154	84	NT-040522-8158-SE-0226
19	NT-040522-1379-SE-0036	52	NT-040522-6771-SE-0155	85	NT-040522-6306-SE-0227
20	NT-040522-294-SE-0038	53	NT-040522-445-SE-0156	86	NT-040522-8189-SE-0229
21	NT-040522-801-SE-0040	54	NT-040522-6785-SE-0157	87	NT-040522-8206-SE-0236
22	NT-040522-2094-SE-0041	55	NT-040522-6839-SE-0158	88	NT-040522-2599-SE-0238
23	NT-040522-1867-SE-0042	56	NT-040522-6852-SE-0159	89	NT-040522-6802-SE-0239
24	NT-040522-1929-SE-0049	57	NT-040522-6916-SE-0161	90	NT-040522-7854-SE-0242
25	NT-040522-2866-SE-0057	58	NT-040522-5521-SE-0166	91	NT-040522-8289-SE-0243
26	NT-040522-2554-SE-0064	59	NT-040522-7124-SE-0167	92	NT-040522-8184-SE-0244
27	NT-040522-3210-SE-0067	60	NT-040522-7181-SE-0171	93	NT-040522-8319-SE-0245
28	NT-040522-2852-SE-0070	61	NT-040522-3641-SE-0175	94	NT-040522-8332-SE-0246
29	NT-040522-3323-SE-0072	62	NT-040522-95-SE-0187	95	NT-040522-7335-SE-0248
30	NT-040522-3667-SE-0078	63	NT-040522-7024-SE-0188		
31	NT-040522-3890-SE-0079	64	NT-040522-7574-SE-0191		
32	NT-040522-4229-SE-0084	65	NT-040522-610-SE-0192		
33	NT-040522-1881-SE-0086	66	NT-040522-308-SE-0194		