

**GOVERNMENT OF INDIA
NATIONAL TECHNICAL RESEARCH ORGANISATION
BLOCK-III, OLD JNU CAMPUS, NEW DELHI-110067**

NOTICE

Subject : Engagement of IT Professionals as Consultant.

National Technical Research Organisation intends registration of desirous IT Professionals for engagement as Consultant in the following positions purely on contract basis for which the ONLINE registrations would remain open during the period as mentioned against each:-

(i)Category 'A' (Registration will remain open w.e.f. 30.07.2021 (11:00 AM) to 05.08.2021 (03:00 PM))

Position (Location)	No of Positions *	Maximum Age Limit	Essential Qualification	Working Experience
Software Engineer (Location: New Delhi)	01	30 years	M.Tech/ME/B.Tech/ BE (Computer Science/ Computer Technology/ Information Technology/	Less than 3 years experience in the software design and development in reputed company / Organization.
Senior Software Engineer (Location: New Delhi)	05	40 years	Electronics/ Electronics & Communication/ Electrical & Electronics/ Electrical): or M Sc (Computer Science/	3 to 10 years experience in the software design and development in reputed company / Organization.
Team Leader (Location: New Delhi)	01	45 years	Electronics): or MCA from a recognized University/ Institute with experience in the required domain from a reputed	10 to 15 years experience in the software design and development in reputed company / Organization.
System Specialist (Location: New Delhi)	01	45 years	Company/Organisation.	15 to 20 years experience in the software design and development in reputed company / Organization.

(ii)Category 'B' (Registration will remain open w.e.f. 30.07.2021 (11:00 AM) to 05.08.2021 (03:00 PM))

Position (Location)	No of Positions *	Maximum Age Limit	Essential Educational Qualification	Working Experience & Desired Certification
Consultant (Engineer) (Location: New Delhi)	08	35 Years	M.Tech / M.E.(Computer Science / Information Technology / Cyber Security / Information Security / Electronics & Communication): or BE / B.Tech (Information Technology / Computer Science / Electronics & Communication / Electrical & Electronics / Electrical): or M.Sc. Electronics / Computer Science); or MCA from a recognized University.	<ul style="list-style-type: none"> 01 years & above experience.

Firmware Engineer Location : Bengaluru	02	40 Years	M.Tech / M.E (Computer Science / Information Technology / Cyber Security / Information Security/ Electronics & Communications) or B.E / B.Tech (Information Technology / Computer Science Electronics & Communications) or M. Sc (Information Technology / Cyber Security / Electronics & Communications) or MCA from a recognized university	<ul style="list-style-type: none"> • Strong hold on Reverse Engineering (ARM/MIPS/x86). • Static & dynamic firmware analysis for IOT Devices. • Proficiency with Reverse Engineering tools like IDA Pro. Ghidra, debugger etc. • Knowledge of tool chain, cross compiling etc.
Software/ Malware Developer Location : Bengaluru	01	40 Years	-do-	<ul style="list-style-type: none"> • Full Stack Development. • Expertise in Web development. • Expertise in document store (MongoDb etc) & Relational databases (My SQL etc). • Programming language C, C++, Python, Java, Node. js etc.
Network Engineer Location : Bengaluru	01	40 Years	-do-	<ul style="list-style-type: none"> • Installation, configuration, troubleshooting of servers (Linux/Windows) and Network devices viz. Router Manageable Switches and Firewall. • Knowledge on Network Infrastructure Security Assessment. <p><u>Desired certification:</u></p> <ul style="list-style-type: none"> • CCNA/ MTCNA.
Cyber Security Analyst Location : Bengaluru	02	40 Years	-do-	<ul style="list-style-type: none"> • Pentesting Web Application Network Infrastructures & IOT Devices. • Understanding of application security vulnerabilities & attack techniques. • Understanding of network & web related protocols (TCP/IP, UDP/ HTTP, HTTPS etc). • Malware/ Exploit Analysis .

				<ul style="list-style-type: none"> • Knowledge of scripting languages Python, etc. <p><u>Desired certification:</u></p> <ul style="list-style-type: none"> • CEH/ OSCP.
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(iii)Category 'C' (registration will remain open w.e.f. 30.07.2021 (11:00 AM) to 05.08.2021 (03:00 PM))

Position (Location)	No of Positions *	Maximum Age Limit	Essential Educational Qualification	Working Experience & Skills required
Senior Software Engineer (Full Stack Developer) (Location: New Delhi)	01	40 years (with 08 to 10 years experience)	B.Tech/BE/MCA/ Computer Science/ Information Technology/ Electronics and Communication from a recognized University/ Institution.	<p><u>Working experience :</u></p> <ul style="list-style-type: none"> • 08 to 10 years. <p><u>Working Skills in following areas:</u></p> <ul style="list-style-type: none"> • Developing applications using spring security. • Maven dependency management. • Junit unit and Integration testing, Automation. • Relational databases such as Oracle, PostgreSQL and MYSQL. • Deployment of applications on the application servers. • Angular JS/ReactJS/ Advanced Java Scripts (OOPS), HTML5, CSS/CSS3, Bootstrap. • Strong hands on experience with mNodeJS, ReactsJS, HTML, CSS, JQUERY. • Working Knowledge on Responsive Web Design. • Working Knowledge on NodeJS/ExpresJS.
Senior Software Developer (Back End Application Development) (Location: New Delhi)	01	40 years (with 05 to 07 years experience)	B.Tech/BE/MCA/ Computer Science/ Information Technology/ Electronics and Communication from a recognized University/ Institution.	<p><u>Working experience :</u></p> <ul style="list-style-type: none"> • 05 to 07 years. <p><u>Working Skills in following areas:</u></p> <ul style="list-style-type: none"> • Developing applications using spring security. • Maven dependency management. • Junit unit and Integration testing, Automation. • Relational databases such as Oracle, PostgreSQL and MYSQL.

				<ul style="list-style-type: none"> • Deployment of applications on the application servers.
Senior software Engineer (UI Designing / Front End Developer) (Location: New Delhi)	01	40 years (with 05 to 07 years experience)	B.Tech/BE/MCA/ Computer Science/ Information Technology/ Electronics and Communication from a recognized University/ Institution.	<p><u>Working experience :</u></p> <ul style="list-style-type: none"> • 08 to 10 years. <p><u>Working Skills in following areas:</u></p> <ul style="list-style-type: none"> • Angular JS / ReactJS/Advanced Java Scripts (OOPS), HTML5, CSS/CSS3, Bootstrap. • Strong hands on experience with nNodeJS, ReactJS, HTML, CSS, JQUERY, JAVA SCRIPT, Angular. JS and Bootstrap. • Working Knowledge on Response Web Design. • Working Knowledge on NodeJS/ExpressJS.

(iv) Category 'D'(Registration will remain open w.e.f. 30.07.2021 (11:00 AM) to 05.08.2021 (03:00 PM))

Position (Location)	No of Positions *	Maximum Age Limit	Essential Qualification	Desirable Working Experience
Consultant. (IT Specialists/ Engineers) (Location: New Delhi)	32	40 years	BE/ B.Tech (Computer Science/ Computer Engineering. Information Technology/ Electronics/ Electronics & Communication/ Electronics & Tele-	Upto 10 years experience in Cyber Security, network design / implementation/ analysis/ troubleshooting software programming, web applications/design/ development, big data technologies, machine learning and other related fields. (Candidates may also indicate recognized certification acquired in the above / related areas).
Consultants (IT Manager/ Senior IT Engineers) (Location: New Delhi)	01	45 years	communications) with minimum 55% marks in aggregate from a recognized University/ Institute.	Above 10 years experience in Cyber Security, network design / implementation/ analysis/ troubleshooting software programming, web applications/design/ development, big data technologies, machine learning and other related fields. (Candidates may also indicate recognized certification acquired in the above / related areas).

(v)Category 'E' (Registration will remain open w.e.f. 26.07.2021 (11:00 AM) to 29.07.2021 (03:00 PM))

Position (Location)	No of Positions *	Maximum Age Limit	Essential Educational Qualification	Working Experience
Remote Sensing Data Specialist (New Delhi)	02	35 Years	B. Tech / M. Tech (Remote Sensing / GIS / Geoinformatics/ Geomatics/ Computer Science/ Information Technology/ Electronics & Communication) from a recognized University/ Institute.	0-5 years with required skillsets from a reputed Company / Organization. Candidates.
GIS Data Specialist (Bangalore)	01	35 Years		
Geospatial Software Engineer (Bangalore)	06	35 Years	B. Tech/ BE/ M. Tech (Remote Sensing/ GIS/ Geoinformatics/ Geomatics/ Computer Science/ Information Technology/ Electronics & Communication); or MCA from a recognized University/Institute.	1-5 years required skillsets in Developing GIS based solution from a reputed Company/ Organization.

* Subject to increase/decrease.

Responsibilities and required skillsets:

(A) Remote Sensing Data Specialist

- (i) Organize data acquired from aircraft, satellites, or ground-based platforms, using statistical analysis software, image analysis software, or Geographic Information Systems (GIS).
- (ii) Proficiency in Process and Organize geospatial data sources to create products such as land cover maps, Change detection etc.
- (iii) Build databases for remote sensing or related geospatial project information.
- (iv) Customize and integrate image relate applications through ANN and Fuzzy logics, image classification techniques, including unsupervised classification, supervised classification etc.
- (v) Efficient in using COTS and open source remote sensing software such as ERDAS Imagine, ENVI, QGIS, etc.

(B) GIS Data Specialist

- (i) Profound GIS knowledge, as a GIS specialist is expected to work with various GIS applications like ArcGIS and Open Source Packages, Geo Database management.
- (ii) Create geospatial layers, feature class, shape files to merge topographical data with external data by layering external data over a topographical map.
- (iii) Develop mapping applications and tools.
- (iv) Understand databases and be able to create well-written and detailed reports, solve technical problems, and use math and statistics to analyze data.
- (v) Perform complex data analysis using GIS and related extensions/add-ons, relational databases, and other computer software.

(C) Geospatial Software Engineer

- (i) Proficiency with front end design languages such as .Net, Java, HTML, CSS, JavaScript and various mapping languages.
- (ii) Proficiency with database programming languages such as SQL, R or Python, PostgreSQL.
- (iii) Develop mapping applications and tools.

- (iv) Experience in Angular JS/React JS/Advanced Java Scripts (OOPS), HTML5, CSS/CSS3, Bootstrap.
- (v) Experience in popular web frameworks like jQuery, Spring MVC or any other equivalent.

Term of engagement: - The period of contractual engagement shall be for a total period of 3 years. Performance of the engaged professional shall be evaluated periodically. Continuance of contract up to total 3 years would depend upon such periodical assessment/evaluation of performance and organizational requirement.

Value of the Contract:- Value of the contract for total period of 3 years shall be in the range of Rupees 16 lakhs to 60 lakhs. The value of contract shall be fixed based on educational qualification, relevant experience and requisite skill set possessed by the candidate and his performance as assessed by the selection committee.

(a) Illustration: The monthly payout for the value of the contact of Rupees 16 lakhs for a total period of 3 years would be as under:-

- (i) Rs 41333/- per month for First year.
- (ii) Rs. 44000/- per month for Second year.
- (iii) Rs. 48000/- per month for Third year.

(b) The monthly pay out (for each year) for the value of the contract above 16 Lakhs shall be fixed proportionately.

(c) Increase in monthly payout beyond first year are linked with the periodical performance assessment/evaluation as mentioned above.

2. Desirous candidates may visit the website <https://ntro.gov.in> for **ONLINE Registration**. During online registration, the candidates are required to fill up the relevant field giving **details of experience/skill set/industry certification** possessed by them. They are also requested to bring the print out of their ONLINE Registration Form at the time of interview/selection. Those who have not registered online will not be allowed to appear for selection. The dates for ONLINE Registration mentioned above are tentative and the organization reserves its right for any change of date, re-schedule or cancel the recruitment exercise, which would be notified in the above mentioned website.

3. Mere registration will not entitle the candidate to be called for further selection. The registered candidates are required to **email legible scanned copy (PDF)** of their (1) Matriculation / 10th Certificate (2) BE/ B.Tech/ M. Tech / MCA Certificate (in support of claim on Essential Educational Qualification), and (3) Photo ID (AADHAR / PAN Card) at recruitment.adm@ntro.gov.in from their registered email ID by **05.08.2021 (05:30 PM) for Category 'A' to Category 'D' and 29.07.2021 (05:30 PM) for Category 'E'**, failing which their registration will be treated as invalid. Suitable criteria will be adopted by the organisation for short listing of candidates having valid registrations to be called for further selection.

4. The candidates are advised to choose the 'Category' and 'Position' therein carefully for which he/she meets the eligibility criteria, required experience/skill sets to apply for such position. It may also be noted that registrations in multiple category and for positions may lead to cancellation of his/her candidature.

5. The date for selection of the candidates is likely to be scheduled in second fortnight of August,2021. The venue, date & time for reporting of the shortlisted candidates for selection will be uploaded in the said website. **The candidates are requested to regularly check the website** for updates.

6. This consultancy engagement will be purely on contracts basis. The person so engaged, **will not have any claim or right for either regularization or absorption** in the organization at any point of time. The candidates selected, will have to sign an agreement accepting the detailed terms and condition of the engagement.

7. Consultant(s) engaged on contract intends to resign during the term of engagement period, will have to give one month notice and also required to deposit with NTRO an amount equivalent to TWO MONTHS OF LAST PAYOUT, before acceptance of such resignation. In the event of seeking acceptance of resignation before expiry of one month notice period, the he/she would be required to deposit with NTRO an additional amount equivalent to one month last payout in addition to other clearances / NDC.

8. At the time of appearing for selection, the candidates are required to bring **two sets of self attested photocopy of the following documents along with two recent passport size colour photographs, ONLINE Registration Form & Biodata (as per format enclosed) duly completed & signed by them :-**

(a) Matriculation/10th Certificate.

(b) Certificate & Mark sheets in support of essential educational qualification.

(c) AADHAR or PAN Card.

(d) Experience Certificates in support of his/her claim.

(e) Other desirable certificate(s) / technical proficiency certificate (s)/ Industry Certification (s) claimed, if any.

NOTE: The candidates may please note that if any information given in the Bio-data or photocopy of certificates is found to be wrong or false or incorrect at any stage of selection process or thereafter, their candidature will be cancelled/rejected forthwith without assigning any reason and, if selected, action will be initiated as deemed necessary.

9. NTRO reserves sole right to relax/modify any of the above criteria, if candidate is found otherwise suitable for engagement. NTRO reserves sole right to discontinue/terminate the services of person so engaged, at any time, without assigning any reason and also reserves the right to cancel the selection process without intimation and assigning any reason.

10. No TA/DA will be admissible to the candidates for appearing for selection.

11. Electronic Devices, including Mobile phone, are strictly prohibited and candidates will not be allowed to carry with them any such items to the assessment room.

12. For any difficulty faced during ONLINE Registration, the candidate(s) may email at **recruitment.adm@ntro.gov.in** for technical assistance.

13. Canvassing in any form will disqualify the candidate.

BIO-DATA

Affix recent
passport size
colour
Photograph

Consultant (_____)

1.	Name (in Block Letters) :		
	Address (in Block Letters) for correspondence		
	E-mail ID :		
	Contact Number :		
	AADHAR / PAN Card No.		
2.	Date of Birth (in Christian era)		
3.	Educational Qualification possessed :	Stream/Branch :	
		Percentage:	CGPA/DGPA :
	Experience Possessed:	No of Years	
	(i)		
	(ii)		
	(iii)		
	(iv)		
	(v)		
	(vi)		
(vii)			
4.	Please state clearly whether in light of entries made by you above, you meet the eligibility criteria for the position.	Please write : (Yes/No)	
5.	Additional information, if any, relevant to the position you applied for in support of suitability for the same. (Note : Enclose a separate sheet duly signed, if the space is insufficient)		

DECLARATION

I have gone through the advertisement carefully and I am well aware that the information given during ONLINE Registration and in the Bio data duly supported by the documents submitted by me, in respect of Qualification and Experience as mentioned above, will also be assessed by the Selection Committee. The information/details provided by me are correct and true to the best of my knowledge and no material fact having a bearing on my selection has been suppressed/withheld.

Date : _____

Signature of candidate _____