

FOUNDATION FOR INNOVATION AND TECHNOLOGY TRANSFER
(FITT)

REF: FT/2024/11/11 - IV

Date: 30 Aug 2024

Notice Inviting Quotation

Project Name: Trainers for Conducting Online Course on - **(i) AI Basic Builder, (ii) AI powered Blockchain, (iii) AI powered Augmented Reality/ Virtual Reality (AR/VR) Computer Vision Builder and (iv) AI powered IoT & 5G Builder as part of Skill Development Program.**

Client: FITT, IIT Delhi

Objective: FITT, IIT Delhi is seeking proposals from suitable qualified and experienced companies (hereinafter called as Delivery Partner/ bidder/ firm as per the context) to provide 10 trainers in each vertical (**total 40 trainers**) for conducting online/ offline training sessions for skilling approximately 1000 B.Tech (2nd year upward) students each in the following domains: - (i) AI Basic Builder, (ii) AI powered Blockchain, (iii) AI powered Augmented Reality/ Virtual Reality (AR/VR) Computer Vision Builder, and (iv) AI powered IoT & 5G Builder as part of Skill Development Program.

Scope of Work:

1. **Training Delivery:**

- Conduct 40 hours of online contact theory sessions (plus 40 hours of hands-on lab out of which 10 hours online contact lab and 30 hours of capstone project lab) for each batch of approximately 100 students for each training program/ batch. There are to be 40 such batches for course on (i) AI Basic Builder, (ii) AI powered Blockchain, (iii) AI powered Augmented Reality/ Virtual Reality (AR/VR) Computer Vision Builder and (iv) AI powered IoT & 5G Builder
- Organize 40 hours of lab sessions, with the content explained within 10 hours of online contact per batch. There are to be 40 such batches.
- Deliver lectures and facilitate discussions in English language. However, wherever required, do use mixed understandable communication to elucidate concepts in a manner that is comprehended by the students of Odisha in this skilling effort.

2. **Assessment and Evaluation:**

- Design and conduct regular assessments to gauge students' understanding and progress.
- Provide regular feedback and evaluation reports as necessary.

3. **Hands-on Practical Project Classes:**

- Conduct practical project classes, including sessions using virtual lab environments like Google Colaboratory for each batch.
- Guide students in hands-on application of Online training on (i) AI Basic Builder, (ii) AI powered Blockchain, (iii) AI powered Augmented Reality/ Virtual Reality (AR/VR) Computer Vision Builder, and (iv) AI powered IoT & 5G Builder.

4. **Trainer Requirements:**

The selected trainers are expected to perform the following tasks: -

The course will consist of 80 hours of training out of which 40 hrs is theory, 40 hours is labs. Out of the 40 hours lab; 10 hours is contact labs and the remaining 30 hours is guided capstone project. The trainers will be overall responsible for the entire 80 hours.

- a) The Delivery Partner would be required to assist the PI and Co-PI in 40 hours online training per batch in addition to lab contact classes.
- b) The Delivery Partner would be responsible for identifying, curating and making available suitable industry experts who would be delivering training lectures for 40 hours online training for the course on (i) AI Basic Builder, (ii) AI powered Blockchain, (iii) AI powered Augmented Reality/ Virtual Reality (AR/VR) Computer Vision Builder, and (iv) AI powered IoT & 5G Builder in addition to lab contact classes. The qualifying criterion for the trainers would be as follows:
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 - (i) At least two trainers should have a minimum of 10 years' industry / academic / research experience.
 - (ii) The above (at least two) trainers should have themselves studied / carried out research on 'Artificial Intelligence' from a reputed college.
 - (iii) The biodata of the above (two) trainers should be part of the technical bid.
 - (iv) The trainers should be made available online for a period of 40 hours online contact + 10 hours hands on lab contact + 30 hours for guiding capstone project per training course/ batch as per the training schedule in addition to the lab contact classes.
 - (v) The trainers may be required to take a demo-class followed in person viva by PI/ Co-PI during the Technical Bid Evaluation.
 - (vi) The course content to be delivered by each trainer should be discussed during in-person viva by the trainers.
- c) The Delivery Partner would be required to provide the following: -
 - (i) Providing Nodal Officer(s)/ Coordinator(s) for coordination of training.
 - (ii) Present status and progress of each course and trainee in any format as would be requested by PI/ Co-PI.

d) In case the Delivery Partner is not found suitable during the execution of the training, the contract with Delivery Partner may be terminated in case of unsatisfactory performance to be evaluated by PI/ Co-PI.

e) Payment to the Delivery Partner would be made by FITT, IITD as per the respective milestone within 30 days of receipt of the amount credited for training by the sponsor.

f) This contract does not guarantee enrollments of all batches and thus commensurate payment to Delivery Partner by FITT, IITD. The payment would only be made post receipt of money from the sponsor as indicated in the payment terms.

Eligibility Criteria.

1. Annual turnover during FY 2023-24 should be over Rs. 50 Lakh (Audited Balance Sheet / Provisional Balance Sheet / Copies of Purchase Orders to be provided).
2. Previous experience of conducting large scale skilling programmes under aegis of government skilling preferably in the fields of AI and BlockChain.
3. Collaboration with a reputed University/Govt training establishment in the past is preferred.

Payment Terms and Timeline.

Milestone 1: - 30% Payment post signing of contract on Demonstrated Readiness of the following: -

- Trainer Matrix with each Trainer Checked for eligibility.
- Successful completion of seven training sessions in each vertical.

Milestone 2: - 35% Payment on pro-rata basis (per batch) on Successful Completion of the following: -

- Post monitoring assessment of students confirming successful completion of the training.
- Submission of Results of Training and Handing over of Training Certificates (virtual).
- Vendors can raise invoices for payment every 2 months for the batches that have completed the training.

Milestone 3: On Acceptance of All Batches Training Completion report by PI: - 25% Payment

- Vendor will be responsible for submission of consolidated combined training report by trainers for all batches.

Milestone 4: - Balance 10% payment would be made on receipt of project completion report and final tranche from the sponsor.

Note: Payments can be made only in case of remittances received from sponsors. In case of delay in payment from the sponsor, payments would be made post receipt of funds from the sponsor.

Pre-Bid Meeting: Pre-Bid meeting will be held at Room No. 106, Bharti School, IIT Delhi on **06 Sept 2024 at 15:30 Hours** to clarify vendor queries and arrive at a common understanding. It is compulsory for all bidders to attend the pre-bid meeting, failing which their bids will not be accepted.

Submission Requirements:

Interested companies or individuals should submit their proposals by **14 Sept. 2024**. Proposals should include:

- Compliance to eligibility criteria as mentioned above.
- Details of previous similar training engagements, especially with B.Tech students.
- Proposed approach and methodology for conducting Online training and practical project classes, including the breakdown of theory and lab hours for the course (i) AI Basic Builder, (ii) AI powered Blockchain, (iii) AI powered Augmented Reality/ Virtual Reality (AR/VR) Computer Vision Builder, and (iv) AI powered IoT & 5G Builder.
- Companies must submit their compliance to the technical parameters as per the format provided.

Evaluation Criteria: -

Proposals will be evaluated based on:

- Qualifications, expertise, and experience of the trainers.
- The evaluation of trainers by PI/Co-PI as indicated above.
- Feasibility and effectiveness of the proposed training approach.
- Alignment with the project's objectives and requirements.
- Cost-effectiveness and value for the proposed training services.
- Previous delivery by the bidder for similar projects earlier.
- Attendance of all bidders in pre-bid meeting is compulsory. Bidders would not be allowed to participate if they have not attended the pre-bid meeting.

Two separate sealed envelopes to be submitted for technical and financial bid (clearly labelled as “Technical bid” and “Financial bid”) respectively.

FORMAT FOR COMPLIANCE SHEET FOR TECHNICAL PARAMETERS

(TO BE PRINTED ON COMPANY LETTERHEAD)

<u>Module</u>	<u>Compliance (Yes / No)</u>	<u>Remarks</u>
Training		
<p><u>Training Delivery:-</u></p> <ul style="list-style-type: none"> - Conduct 40 hours of online contact theory sessions (plus 40 hours of hands-on lab out of which 10 hours online contact lab and 30 hours of capstone project lab) for each batch of approximately 100 students for each training program/ batch. There are to be 40 such batches for course on (i) AI Basic Builder, (ii) AI powered Blockchain, (iii) AI powered Augmented Reality/ Virtual Reality (AR/VR) Computer Vision Builder and (iv) AI powered IoT & 5G Builder - Organize 40 hours of lab sessions, with the content explained within 10 hours of online contact per batch. There are to be 40 such batches. - Deliver lectures and facilitate discussions in English language. However, wherever required, do use mixed understandable communication to elucidate concepts in a manner that is comprehended by the students of Odisha in this skilling effort. 		
<p><u>Assessment and Evaluation:-</u></p> <ul style="list-style-type: none"> - Design and conduct assessments to gauge students' understanding and progress. - Provide feedback and evaluation reports as necessary. 		
<p><u>Hands-on Practical Project Classes:-</u></p> <ul style="list-style-type: none"> - Conduct practical project classes, including sessions using virtual lab environments like Google Colaboratory for each batch. - Guide students in hands-on application of Online training on (i) AI Basic Builder, (ii) AI powered Blockchain, (iii) AI powered Augmented Reality/ Virtual Reality (AR/VR) Computer Vision Builder, and (iv) AI powered IoT & 5G Builder. 		

<p><u>Trainer Requirements:-</u> - The course will consist of 80 hours of training out of which 40 hrs is theory, 40 hours is labs. Out of the 40 hours lab; 10 hours is contact labs and the remaining 30 hours is guided capstone project. The trainers will be overall responsible for the entire 80 hours.</p>		
<p>Training</p>	<p><u>Compliance (Yes / No)</u></p>	<p><u>REMARKS</u></p>
<p>a. The Delivery Partner would be required to assist the PI and Co-PI in 40 hours online training per batch in addition to lab contact classes.</p> <p>b. The Delivery Partner would be responsible for identifying, curating and making available suitable industry experts who would be delivering training lectures for 40 hours online training for the course on (i) AI Basic Builder, (ii) AI powered Blockchain, (iii) AI powered Augmented Reality/ Virtual Reality (AR/VR) Computer Vision Builder, and (iv) AI powered IoT & 5G Builder in addition to lab contact classes. The qualifying criterion for the trainers would be as follows: -</p> <p style="padding-left: 40px;">i. At least two trainers should have a minimum of 10 years' industry / academic / research experience.</p> <p style="padding-left: 40px;">ii. The above (at least two) trainers should have themselves studied / carried out research on 'Artificial Intelligence' from a reputed college.</p> <p style="padding-left: 40px;">iii. The biodata of the above (two) trainers should be part of the technical bid.</p> <p style="padding-left: 40px;">iv. The trainers should be made available online for a period of 40 hours online contact + 10 hours hands on lab contact + 30 hours for guiding capstone project per training course/ batch as per the training schedule in addition to the lab contact classes.</p> <p style="padding-left: 40px;">v. The trainers may be required to take a demo-class followed in person viva by PI/ Co-PI during the Technical Bid Evaluation.</p> <p style="padding-left: 40px;">vi. The course content to be delivered by each trainer should be discussed during in-person viva by the trainers.</p>		

<p>c. The Delivery Partner would be required to provide the following: -</p> <ul style="list-style-type: none"> (i) Providing Nodal Officer(s)/ Coordinator(s) for coordination of training. (ii) Present status and progress of each course and trainee in any format as would be requested by PI/ Co-PI. 		
<p>d. In case the Delivery Partner is not found suitable during the execution of the training, the contract with Delivery Partner may be terminated in case of unsatisfactory performance to be evaluated by PI/ Co-PI.</p> <p>e. Payment to the Delivery Partner would be made by FITT, IITD as per the respective milestone within 30 days of receipt of the amount credited for training by the sponsor.</p> <p>f. This contract does not guarantee enrollments of all batches and thus commensurate payment to Delivery Partner by FITT, IITD. The payment would only be made post receipt of money from the sponsor as indicated in the payment terms.</p>		

PRICE BID FORMAT

(Should be printed on bidder letter head with bid security declaration)

The Price Bid Format is given below and Bidders are required to fill up correctly with full details:

<u>S no</u>	<u>Item</u>	<u>Basic cost of the item/items</u>	<u>Qty</u>	<u>Total</u>
1.	<p>Upto 10 trainers in each vertical to be available on demand as per availability of batches for training:</p> <p>(i) AI Basic Builder</p> <p>(ii) AI powered Blockchain</p> <p>(iii) AI powered Augmented Reality/ Virtual Reality (AR/VR) Computer Vision Builder</p> <p>(iv) AI powered IoT & 5G Builder as part of Skill Development Program.</p> <p>(total upto 40 trainers on demand with 80 hrs per trainer) for conducting online/ offline training sessions</p>		<p>40 hours of online contact per vertical (total 160 hours for all 4 verticals)</p> <p>(1000 students for each vertical in batches of 70 to 100 depending upon enrolment and batch availability, total 4000 students)</p>	
2.	Lab sessions including 10 hours of online contact and 30 hours of self paced work with trainer guidance		40 hours of practicals per vertical (total 160 hours)	
3.	Hands-on Practical Project Classes using virtual lab environments for capstone project (30 hrs included above)		(1000 students for each vertical in batches of 70 to 100 depending upon enrolment and batch availability, total 4000 students)	
Total				
GST				
Grand Total including GST				

Terms & Conditions Details

Preparation of Bids. The offer/ bid should be submitted in two bid systems (i.e.) Technical bid and financial bid. The technical bid should consist of all technical details along with commercial terms and conditions. Financial bid should indicate item wise price for the items as per format.

Opening of the tender. The bid will be opened by a committee duly constituted for this purpose. The technical bid will be opened first and it will be examined by a technical committee (as per specification and requirement). The financial offer/bid will be opened only for the offer/bid which technically meets all requirements as per the specification.

Acceptance/ Rejection of bids. The Committee reserves the right to reject any or all offers without assigning any reason.

Two separate sealed envelopes to be submitted for technical and financial bid (clearly labelled as “Technical bid” and “Financial bid”) respectively.

Last date of submitting the bids will be **14 Sept. 2024 before 5:00 pm** to:

Prof. Brejesh Lall

Bharti School of Telecommunication

IIT Delhi, Hauz Khas

New Delhi, 110016

Email: brejesh@ee.iitd.ac.in & COO@fitt-iitd.in

Please quote prices for FOB New Delhi, inclusive of all taxes and duties.

Quotes should be in Indian Rupees for agents of Indian manufacturers, or in foreign currency, for agents of foreign manufacturers, and need to be valid for at least three months.

Attach all the technical literature and a list of similar installations done in India.

If the quote is being submitted by a representative of the manufacturer, a valid agency-ship or dealership certificate authorizing the agent to quote to IIT Delhi on behalf of the manufacturers should be enclosed. The principal and the vendor, both, are not allowed to quote for the same product.

Complete set of manuals for the operation of the equipment should be given.

Authorized dealer for the OEM must attach a Certificate of Authorization.

Please specify all of your terms and conditions clearly, including the delivery period.

Mode of payment for purchases in foreign currency through wire transfer on delivery. Only bank charges within India are payable by **FITT, IIT Delhi**, all bank charges outside India are the responsibility of the seller. For purchases in INR, payment is on delivery.