

### Bid Document

Bid Details	
<b>Bid End Date/Time</b>	04-05-2021 18:00:00
<b>Bid Opening Date/Time</b>	04-05-2021 18:30:00
<b>Bid Life Cycle (From Publish Date)</b>	90 (Days)
<b>Bid Offer Validity (From End Date)</b>	45 (Days)
<b>Ministry/State Name</b>	Ministry Of Human Resource Development
<b>Department Name</b>	Department Of Higher Education
<b>Organisation Name</b>	Indian Institute Of Technology Kanpur
<b>Office Name</b>	Kanpur
<b>Total Quantity</b>	4
<b>Item Category</b>	DESIGNING SOFTWARE (Version 2.0)
<b>MSE Exemption for Years of Experience and Turnover</b>	No
<b>Startup Exemption for Years of Experience and Turnover</b>	No
<b>Bid to RA enabled</b>	No
<b>Primary product category</b>	DESIGNING SOFTWARE (Version 2.0)
<b>Time allowed for Technical Clarifications during technical evaluation</b>	2 Days
<b>Evaluation Method</b>	Total value wise evaluation

#### EMD Detail

Required	No
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#### ePBG Detail

Required	No
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#### Splitting

Bid splitting not applied.

#### MSE Purchase Preference

MSE Purchase Preference	Yes
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1. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY.

## DESIGNING SOFTWARE (Version 2.0) ( 1 pieces )

Brand Type	Registered Brand
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### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
BASIC INFORMATION	<b>Modules of Designing Software offered in the scope of supply</b>	Architecture Design, Mechanical Design, Structure Design, Infrastructure Design, Electrical Design, Electronic Design, General Design
	<b>Type of Edition of the offered product</b>	Academic Edition
SCOPE OF LICENCE	<b>Types of Licence</b>	Subscription
	<b>" Duration of Subscription (in years) (Hint :- Select '0' if not applicable)"</b>	1.0 - 5.0 Or higher
	<b>OEM Licensing policy</b>	Per Server
	<b>Number of licensing included in the offered product as per OEM defined licensing policy</b>	1.0 - 100.0 Or higher
	<b>Scope of Installation</b>	Installation, Configuration
	<b>The offered product have support from OEM for</b>	Unlimited upgradation of version within support period
	<b>Number of Years for OEM support for updation (Patches and Bug fixes) is included in the scope of supply (Hint :- Select '0' if not applicable)</b>	1.0 - 5.0 Or higher
	<b>Number of Years for OEM support for Upgradation of version is included in the scope of supply (Hint :- Select '0' if not applicable)</b>	1.0 - 5.0 Or higher
<b>Training Options</b>	Training Material	

Specification	Specification Name	Bid Requirement (Allowed Values)
	<b>No of days Training Provided (Hint :- Select '0' if not applicable)</b>	0.0 - 10.0 Or higher
ARCHITECTURE DESIGN	<b>Architecture Design Features</b>	Parametric Modeling, Building Layout & Design, Site Layout, MasterPlanning, Sustainability Design, Walk-Through Animation, Massing Studies
MECHANICAL DESIGN	<b>Mechanical Design Features</b>	Advance surfacing, Direct Modeling, Fluid Flow Simulation, Mesh CAD Models, Mold design, Plastic Parts Design, Weldments, Mechanical concept and layout design, Energy Analysis, Heating Ventilation and Air Conditioning (HVAC), MEP Fabrication, Plumbing System Design, Computer Aided Manufacturing (CAM)
STRUCTURE DESIGN	<b>Structure Design Features</b>	Composite Material Design, Structural Detailing, Stress Analysis, Structural Validation
INFRASTRUCTURE DESIGN	<b>Infrastructure Design Features 1</b>	Site Planning & Layout, Highway and Road Design, Rail Design, Site Development, Geospatial Analysis & Geo Referencing, GIS Integration, Corridor Modelling, Horizontal and Vertical Curves, Bridge Modelling, Point Cloud Data Processing
	<b>Infrastructure Design Features 2</b>	Master Planning, Volumetric Analysis, Earthwork Calculation, Thematic Analysis, Existing conditions modelin
ELECTRICAL DESIGN	<b>Electrical Design Features</b>	Electrical cable and Conduit design, Panel Design, Circuit Simulation, Load Takeoff Calculation, Electrical Fabrication
ELECTRONIC DESIGN	<b>Electronic Design Features 1</b>	Support Distributed Computing, S-Parameter Simulation support, Harmonic Balance Simulation, X-Parameter Simulation/Support, RF System design and Simulation, S- Parameter Checker, Tuning and Optimization, Optimization for EM and Circuit Co-Simulation, FEM Mesh Domain Optimization, RF System Budget Analysis, Yield Analysis and Yield Optimization, Sensitivity Analysis and Sensitivity Optimization, IP Encoder to protect data
	<b>Electronic Design Features 2</b>	Simulation result Data Display window, DSP and Algorithm Blocks, Digital Filter design wizard, HDL (hardware description language ) Code Generation, HDL Co-Simulation with RF System Model, Fixed Point Library, Phased array Intermod and Harmonics 3D Beam Plotting Capability, Support Digital, RF & Hybrid Beam Forming, 3D Antenna Pattern file support, Dynamic 3D graph capability, Radar Source Models, Radar Target Models, Radar Sea Clutter Model

Specification	Specification Name	Bid Requirement (Allowed Values)
	<b>Electronic Design Features 3</b>	Multi Scattering Target model with Latitude, Longitude and Altitude Support, Cover and Deceptive Jamming EW Models, Clutter Model with PDF, Radar Platform models with Latitude, Longitude and Altitude Support, Radar Propagation loss model for Rainfall and Snowfall, Radar Signal Processing models, Phased Array toolbox, Radar Measurement Model, RF Budget Analysis for Phased Array System, 3D Antenna Beam Plotting for Phased Array, Intermod and Harmonics analysis for Phased array System, RF Budget Planning and System simulation Tool
	<b>EM simulation method used</b>	MOM (Method of moments ), FEM( Finite Element Method )
	<b>Number of Core for EM Multi -thread supported by the offered product</b>	4, 8, 16, 32
COMMON PARAMETERS	<b>Common parameters features 1</b>	2D System Analysis, Human Simulation, Motion Simulation, Solar Analysis, Photorealistic Images, Daylighting Analysis, Generic Design, Reality Capture, Cloud Collaboration, Data Management, Parametric Modeling
	<b>Common parameters features 2</b>	Finite Element Analysis, Animation, Conceptual design, Structural Detailing, Stress Analysis, Structural Validation, System Level Design, Schematic Design Capability Schematic Design Capability, Layout Design Capability, Layout DRC(design rule check ) and LVS (layout versus schematic), Design Guide support, Support different CAD files import, Support Python Script, DC and AC Simulation
	<b>Basic information modeling supported by the offered product</b>	2 D, 3 D, 4 D, 5 D

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Manoj Kumar Duklan	208016,Central Store & Purchase Section, IIT Kanpur, GT Road, Kalyanpur 208016 (UP)	1	30

#### DESIGNING SOFTWARE (Version 2.0) ( 1 pieces )

Brand Type	Registered Brand
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#### Technical Specifications

\* [As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
BASIC INFORMATION	<b>Modules of Designing Software offered in the scope of supply</b>	General Design, Mechanical Design, Structure Design
	<b>Type of Edition of the offered product</b>	Academic Edition
SCOPE OF LICENCE	<b>Types of Licence</b>	Subscription
	<b>" Duration of Subscription (in years) (Hint :- Select '0' if not applicable)"</b>	1.0 - 5.0 Or higher
	<b>OEM Licensing policy</b>	Per Server
	<b>Number of licensing included in the offered product as per OEM defined licensing policy</b>	1.0 - 100.0 Or higher
	<b>Scope of Installation</b>	Installation, Configuration
	<b>The offered product have support from OEM for</b>	Unlimited upgradation of version within support period
	<b>Number of Years for OEM support for updation (Patches and Bug fixes) is included in the scope of supply (Hint :- Select '0' if not applicable)</b>	1.0 - 5.0 Or higher
	<b>Number of Years for OEM support for Upgradation of version is included in the scope of supply (Hint :- Select '0' if not applicable)</b>	1.0 - 5.0 Or higher
	<b>Training Options</b>	Training Material
	<b>No of days Training Provided (Hint :- Select '0' if not applicable)</b>	0.0 - 10.0 Or higher
ARCHITECTURE DESIGN	<b>Architecture Design Features</b>	NA
MECHANICAL DESIGN	<b>Mechanical Design Features</b>	Advance surfacing, Computer Aided Manufacturing (CAM), Energy Analysis, Mechanical concept and layout design, Mesh CAD Models, Plastic Parts Design
STRUCTURE DESIGN	<b>Structure Design Features</b>	Composite Material Design, Structural Detailing, Stress Analysis, Structural Validation
INFRASTRUCTURE DESIGN	<b>Infrastructure Design Features 1</b>	NA
	<b>Infrastructure Design Features 2</b>	NA
ELECTRICAL DESIGN	<b>Electrical Design Features</b>	NA
ELECTRONIC DESIGN	<b>Electronic Design Features 1</b>	NA

Specification	Specification Name	Bid Requirement (Allowed Values)
	<b>Electronic Design Features 2</b>	NA
	<b>Electronic Design Features 3</b>	NA
	<b>EM simulation method used</b>	MOM (Method of moments ), FEM( Finite Element Method )
	<b>Number of Core for EM Multi -thread supported by the offered product</b>	4, 8, 16, 32
COMMON PARAMETERS	<b>Common parameters features 1</b>	2D System Analysis, Parametric Modeling, Photorealistic Images, Reality Capture
	<b>Common parameters features 2</b>	Finite Element Analysis, Animation, Conceptual design, Structural Detailing, Stress Analysis, Structural Validation, System Level Design, Support different CAD files import
	<b>Basic information modeling supported by the offered product</b>	2 D, 3 D

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
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#### Technical Specifications

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Specification	Specification Name	Bid Requirement (Allowed Values)
BASIC INFORMATION	<b>Modules of Designing Software offered in the scope of supply</b>	General Design, Mechanical Design, Structure Design
	<b>Type of Edition of the offered product</b>	Academic Edition
SCOPE OF LICENCE	<b>Types of Licence</b>	Subscription

Specification	Specification Name	Bid Requirement (Allowed Values)
	" Duration of Subscription (in years) (Hint :- Select '0' if not applicable)"	1.0 - 5.0 Or higher
	OEM Licensing policy	Per Server
	Number of licensing included in the offered product as per OEM defined licensing policy	1.0 - 100.0 Or higher
	Scope of Installation	Installation, Configuration
	The offered product have support from OEM for	Unlimited upgradation of version within support period
	Number of Years for OEM support for updation (Patches and Bug fixes) is included in the scope of supply (Hint :- Select '0' if not applicable)	1.0 - 5.0 Or higher
	Number of Years for OEM support for Upgradation of version is included in the scope of supply (Hint :- Select '0' if not applicable)	1.0 - 5.0 Or higher
	Training Options	Training Material
	No of days Training Provided (Hint :- Select '0' if not applicable)	0.0 - 10.0 Or higher
ARCHITECTURE DESIGN	Architecture Design Features	NA
MECHANICAL DESIGN	Mechanical Design Features	Advance surfacing, Direct Modeling, Fluid Flow Simulation, Heating Ventilation and Air Conditioning (HVAC), Mesh CAD Models, Plastic Parts Design
STRUCTURE DESIGN	Structure Design Features	Composite Material Design, Structural Detailing, Stress Analysis, Structural Validation
INFRASTRUCTURE DESIGN	Infrastructure Design Features 1	NA
	Infrastructure Design Features 2	NA
ELECTRICAL DESIGN	Electrical Design Features	NA
ELECTRONIC DESIGN	Electronic Design Features 1	NA
	Electronic Design Features 2	NA
	Electronic Design Features 3	NA
	EM simulation method used	MOM (Method of moments ), FEM( Finite Element Method )

Specification	Specification Name	Bid Requirement (Allowed Values)
	<b>Number of Core for EM Multi -thread supported by the offered product</b>	4, 8, 16, 32
COMMON PARAMETERS	<b>Common parameters features 1</b>	2D System Analysis, Generic Design, Parametric Modeling, Photorealistic Images
	<b>Common parameters features 2</b>	Finite Element Analysis, Animation, Conceptual design, Structural Detailing, Stress Analysis, Structural Validation, System Level Design, Support different CAD files import
	<b>Basic information modeling supported by the offered product</b>	2 D, 3 D

#### Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
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Brand Type	Registered Brand
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#### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Bid Requirement (Allowed Values)
BASIC INFORMATION	<b>Modules of Designing Software offered in the scope of supply</b>	Structure Design
	<b>Type of Edition of the offered product</b>	Academic Edition
SCOPE OF LICENCE	<b>Types of Licence</b>	Subscription
	<b>" Duration of Subscription (in years) (Hint :- Select '0' if not applicable)"</b>	1.0 - 5.0 Or higher
	<b>OEM Licensing policy</b>	Per Server
	<b>Number of licensing included in the offered product as per OEM defined licensing policy</b>	1.0 - 100.0 Or higher



Specification	Specification Name	Bid Requirement (Allowed Values)
	<b>Scope of Installation</b>	Installation, Configuration
	<b>The offered product have support from OEM for</b>	Unlimited upgradation of version within support period
	<b>Number of Years for OEM support for updation (Patches and Bug fixes) is included in the scope of supply (Hint :- Select '0' if not applicable)</b>	1.0 - 5.0 Or higher
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	<b>Training Options</b>	Training Material
	<b>No of days Training Provided (Hint :- Select '0' if not applicable)</b>	0.0 - 10.0 Or higher
ARCHITECTURE DESIGN	<b>Architecture Design Features</b>	NA
MECHANICAL DESIGN	<b>Mechanical Design Features</b>	NA
STRUCTURE DESIGN	<b>Structure Design Features</b>	Composite Material Design, Structural Detailing, Stress Analysis, Structural Validation
INFRASTRUCTURE DESIGN	<b>Infrastructure Design Features 1</b>	NA
	<b>Infrastructure Design Features 2</b>	NA
ELECTRICAL DESIGN	<b>Electrical Design Features</b>	NA
ELECTRONIC DESIGN	<b>Electronic Design Features 1</b>	NA
	<b>Electronic Design Features 2</b>	NA
	<b>Electronic Design Features 3</b>	NA
	<b>EM simulation method used</b>	MOM (Method of moments ), FEM( Finite Element Method )
	<b>Number of Core for EM Multi -thread supported by the offered product</b>	4, 8, 16, 32
COMMON PARAMETERS	<b>Common parameters features 1</b>	2D System Analysis, Generic Design, Parametric Modeling
	<b>Common parameters features 2</b>	Finite Element Analysis, Animation, Conceptual design, Structural Detailing, Stress Analysis, Structural Validation, System Level Design, Support different CAD files import

Specification	Specification Name	Bid Requirement (Allowed Values)
	<b>Basic information modeling supported by the offered product</b>	2 D, 3 D

#### Consignees/Reporting Officer and Quantity

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#### Buyer Added Bid Specific Additional Terms and Conditions

- Bidders shall quote only those products in the bid which are not obsolete in the market and has at least 2 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.
- Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.
- Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.
- The buyer organization is an institution eligible for concessional rates of GST as notified by the Government of India. The goods for which bids have been invited fall under classification of GST concession and the conditions for eligibility of concession are met by the institution. A certificate to this effect will be issued by Buyer to the Seller after award of the Contract. Sellers are requested to submit their bids after accounting for the Concessional rate of GST.  
Applicable Concessional rate of GST : 5%  
Notification No.and date : 45/2017 (CGST) KA.NI .- 2-1823/XI-9(47)/17 (SGST), 47/2017 (IGST) dated 14/11/2017
- Upload Manufacturer authorization:** Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.
- Scope of supply (Bid price to include all cost components) : Only supply of Goods
- Bidder Turn Over Criteria:** The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
- OEM Turn Over Criteria:** The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the

date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.

9. Equipment offered shall have complete DATA sheets and detailed description on OEM web sites.
10. IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.
11. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 20% of total value.
12. **Purchase preference will be given to MSME and Startup (Local supplier) : (if L-1 is not from selected category and 4 / 5 Seller (s) from selected category has/have quoted price within L-1 + percentage of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and award contract for percentage of total value as defined/ decided in relevant policy)** Micro and Small Enterprises from the State of Bid Inviting Authority whose credentials are validated online through Udyog Aadhaar for that product category (Preference to MSME - 15%),Micro and Small Enterprises whose credentials are validated online through Udyog Aadhaar for that product category (Preference to MSME - 15%),Local Supplier as defined in Public Procurement (Preference to Make in India - 20%), Order 2017 and its subsequent Orders / Notifications issued by concerned Nodal Ministry for specific Goods/ Products
13. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
14. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
15. Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.
16. To be eligible for award of contract, Bidder / OEM must possess following Certificates / Test Reports on the date of bid opening (to be uploaded with bid): OEM Authorization Certificate.
17. Warranty period of the supplied products shall be as given in specifications from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.
18. **NET WORTH:** Net Worth of the OEM should be positive as per the last audited financial statement.

## Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specification and / or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents / clauses shall also be null and void. If any seller has any objection / grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be

allowed to open bids if he fails to reply to such representations.

[This Bid is also governed by the General Terms and Conditions](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

**---Thank You---**