DEPARTMENT OF MECHANICAL ENGINEERING

THAPAR INSTITUTE OF ENGINEERING AND TECHNOLOGY, PATIALA-147004

Date: April 20, 2023

Advertisement for the Joint PhD Position

Applications are invited for the Joint PhD position under a Indo-Swedish collaborative work between University of Gävle (UGAV), Sweden and Thapar Institute of Engineering and Technology (TIET), Patiala. The details of the project and PhD position are given below:

Project Details:

Title of the Project	**Development of a Next Generation Hybrid Soft Material Worker's Back Exoskeleton**
Project Duration	03 Years (Extendable to 4th Year)
Supervisor Name in India	**Dr. Ashish Singla** Associate Professor Department of Mechanical Engineering Thapar Institute of Engineering & Technology Patiala-147004 Email: ashish.singla@thapar.edu
Supervisor Name in Sweden	**Dr. Sajid Rafique and Prof Niclas Björsell** University of Gävle (UGAV), Sweden
Location	TIET Patiala

Details of the Post:

Name of Post:	Joint PhD Position
Number of Posts:	One
Monthly Emoluments	35000/- per month (Refer: PhD Scholarship at TIET Patiala, https://admission.thapar.edu/downloads/640594436c42f699197091_13ADMISSIONTOPHD PROGRAMS.pdf)
Eligibility Criteria:	**Essential Qualifications:** B.E/B.Tech.in Mechanical Engineering/ Robotics/ Mechatronics/ Automation/Applied Mechanics/ Aerospace Engineering or other relevant areas with at least 70% marks in the aggregate or equivalent C.G.P.A. in the qualifying degree with a valid GATE score. Post-Graduate (M.E./M.Tech.) with specialization in Robotics/CAD-CAM Engg/ Mechatronics/Machine Design/Biomedical Engg./ Instrumentation and other relevant areas, with marks not below 70% in the aggregate or equivalent C.G.P.A. in the qualifying degree.

	Desirable Qualifications (i) Good research potential in the related area in the form of projects/papers. (ii) Good hardware knowledge along with command on languages such as LabVIEW/MATLAB/ROS/ Python (iii) Excellent communication skills (both oral and written).
Age Limit:	Below 30 years on the last date of application (Relaxation for SC/ST/OBC candidate as per Government of India norms).

Other Details:

How to apply	The candidates are requested to mail the soft copy of the filled-up application form (Annexure-I) to "ashish.singla@thapar.edu" with the subject of the email marked as "**Application for Joint PhD Position**" on or before **Dec 25, 2023.**
Call for interview	Shortlisted candidates will be intimated through e-mail for an interview. Candidates are advised to check their emails regularly. Further, the selected candidate needs to clear the interview for PhD position in the Department of Mechanical Engineering at TIET Patiala.
Benefits	Under this collaborative work: 1. The PhD student can visit Sweden for 3 months every year 2. UGAV will support the international travel to Sweden via providing economy return ticket for the first three years 3. The accommodation, living expenses and local travel cost in Sweden will be funded by UGAV @40,000 SEK per year 4. UGAV will also funds 40,000 SEK for development of exoskeleton prototype 5. The PhD student will have the full access to UGAV infrastructure (labs, computer network and software etc.)
Institute right	Institute reserves the right to cancel the recruitment without assigning any reason.
Other conditions	1. Only candidates having excellent academic record and a keen interest in research are highly encouraged to apply. 2. The applicant will be responsible for the authenticity of information, other documents and photograph submitted. 3. Applicants in employment are required to submit a "**No Objection Certificate**" from the employer at the time of interview. 4. Complete information with regard to GATE score such as: year of passing, discipline, score, marks, All India Rank and the number of candidates appeared should be mentioned in the CV. Incomplete applications will be rejected. 5. No TA/DA will be paid.

For any further information/clarifications, the applicants may contact PI by email.

Dr. Ashish Singla
(Principal Investigator)
Associate Professor,
Department of Mechanical Engineering
TIET, Patiala
Email: ashish.singla@thapar.edu

Annexure-I (Application Form)

THAPAR INSTITUTE OF ENGINEERING & TECHNOLOGY, PATIALA
(Declared as Deemed-to-be University u/s 3 of UGC Act)

1) Application for the post of:

2) Name of the Candidate in full (in capital letters):

3) Date of Birth:

4) Age as on Dec 25, 2023:

5) Contact Information:

- Postal Address:

- Email:

- Mobile Number:

6) Nationality:

7) Marital Status:

8) Educational Qualification

Sr. No	Name of Exam passed	Subjects/ Branch/ Specializations	Name of the University/ Board	Month & Year of exam passed	Percentage of Marks secured/ CGPA
1	Matriculation				
2	Higher Secondary				
3	B. E./B. Tech				
4	M.E./M.Tech				
5	Other				

9) Particulars of GATE examination:
  1) Year of passing:
  2) Discipline:
  3) Score (percentile):

4) All India Rank:

5) The number of candidates appeared:

10) Previous experience:
(Furnish details such as name of the post/fellowship, period worked, name of the organization/institution)

11) Present position:

    (a) If you are studying, mention course/subject details:

    (b) Details of fellowship/post:

    (c) Name of the institution/ organization in which you are studying/working:

12) M.E./M.Tech. Thesis/Project title, with details of software language used:

13) Number of research papers published (only SCI):

14) Give contact details of two referees who are familiar with the candidate's work:

15) Any other relevant information which the candidate wishes to furnish:

Declaration

I declare that the above information is true and correct to the best of my knowledge and belief.

Date:

Place: Signature of the applicant