



**NATIONAL INSTITUTE OF TECHNOLOGY  
WARANGAL- 506004  
Departments of Electrical and Mechanical Engineering**

**Advertisement for the position of temporary Research Staff**

Applications are invited from the interested candidates for one temporary position of **Research Staff** of Defence Research and Development Organization (DRDO), Research Centre Imarat (RCI-Hyderabad), India sponsored Project (vide sanction letter RCI/DCMM/LPD/CARS-389, dated 17.01.2017) entitled **“Modeling and Simulation of energy harvesting using piezo materials and super capacitors”**.

**Details of qualifications, Emoluments and duration are given below:**

Name of position	Junior Research Fellow
Eligibility	First class B. Tech. in Electrical Engineering/Electronics/Mechatronics Engineering/Technology <b>and</b> Mechanical Engineering (Vibrations) First class M.E./M.Tech in Power Electronics & Drives/Control Engineering/ Digital Signal Processing/Instrumentation Engineering/Technology
Nature of work	<ul style="list-style-type: none"><li>• Mathematical modelling of Piezo materials &amp; super capacitors and its analysis</li><li>• Use of computer programming for development efficient algorithms for vibration energy harvesting by using suitable software</li><li>• Simulation of specialized rectifiers/ DC-DC converters and its operation in digital domain</li><li>• Use of Batteries, super capacitors, energy harvesting kit, Digital signal processors for standardizing algorithms and simulation study.</li></ul>
Duration	18months
Consolidated salary	25, 000/- pm. The selected candidate is eligible for on campus Hostel & Mess facilities at their own expenses.

Interested and eligible candidates may send their application with detailed qualifications, experience, supporting copies of certificates, contact address, telephone/mobile number and Email ID. Applications should be sent as hard copy by post to the address mentioned below and scanned copies could be sent by email to **ub@nitw.ac.in** so as to reach us by **23-June-2017**. The interview date will be communicated to the eligible candidates through e-mail & phone. No TA/DA will be paid for attending the interview.

Candidates who are already employed should produce ‘No objection Certificate’ (NOC) from the employer and students should provide provisional degree certificate or its equivalent at the time of interview. The selected candidate is expected to produce a Relieving Certificate from their employer or provisional degree certificate in case of students and join the duties within a week after intimation of their selection else it would be offered to a candidate in waiting list.

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