

Industry Institute Research Scholar Scheme (IIRSS-2023 admissions)

Introduction:

Objective of SGGGS Institute of Engineering and Technology, Vishnupuri, Nanded is to establish itself as a leader in engineering research in India. To achieve this, a comprehensive research strategy has been put in place relating to:

- a. Attracting and motivating full-time young talented research scholars with the potential to do meaningful research that will be recognised by their peers.
- b. Providing research scholars, the research environment like IITs, funding, and other support so they can realize their full potential as researchers in their respective fields.
- c. Ensuring that the research supported by SGGGS I. E. and T., Nanded is effectively and widely disseminated.
- d. Establishing institutional collaborations and joint programs within India and abroad.

To achieve these objectives a full time Industry Institute Research Scholars Scheme (IIRSS) has been devised since 2017 in SGGGS Institute of Engineering and Technology, Nanded to attract talented and enthusiastic research scholars for value addition in research in engineering and technology. We propose here a proposal for admission to IIRSS Ph.D. program from July 2023 (from academic year 2023-24). The details are as follows:

1] Areas of Specialization:

Application are invited for admission to Ph.D. (Industry Institute Research Scholar Scheme-Full time) programme in the following departments /broad areas of Research for the academic year 2020-21.

Sr. No	Department	Seats to be allocated	Broad Areas of Specialization (Indicative)
1	Civil Engineering	01	Water Resources Systems, Environmental Engineering, Remote Sensing and GIS Application for Water Resource Management, Structures, Geotechnical etc.
2	Computer Science & Engineering	02	Pattern Classification & Image Processing, Wireless, Fuzzy & Neural Networks, Data Mining, and Machine Learning, Computer Network, Data Analytics, Human Computer Interaction, Operating System, Compiler, Database System, Data and Information Security, Programming Languages etc.
3	Electronics & Telecommunication Engineering	02	Digital signal and image processing, Pattern recognition and computer vision, VLSI and Embedded systems, Biomedical, Non- Conventional Energy Sources, Telecommunication etc.
4	Information Technology	02	Digital Image processing, Data mining and Pattern Recognition, Wireless Sensor Networks, Quality of Service, High Performance Computing, Big Data, Software Engineering etc.
5	Production Engineering	01	Analysis of self-healing composites, Sheet metal forming, Micro manufacturing and Non-traditional manufacturing processes, Quality and reliability engineering, Customization of CAD CAM Software, Solar energy applications for Agriculture, Production Management etc.
6	Instrumentation Engineering	01	Digital Signal and Image Processing, Advance Process Control, Control Systems, Intelligent Control, Biomedical Instrumentation, Agricultural Instrumentation, Large Scale System etc.
7	Textile Technology	01	Weaving, Knitting, Non-Woven, Productivity, Garment Technology,

2] Eligibility:

Minimum Educational Qualifications for Admission:

- a. Master's Degree in Engineering / Technology or equivalent in the relevant area of research along with Bachelor's degree in appropriate branch of Engineering / Technology or equivalent with a **first class** or equivalent Grade Point at Master's and Bachelors" level
- b. Students having SRT Marathwada University, Nanded valid **PET Score**
OR
Students having valid **GATE Score**
- c. Industry and professional experience of minimum two years with qualifications as above shown in 'a' and 'b' can be considered.

3] Financial Assistance:

Full time Research Scholars admitted to Ph.D. Programmes under regular full time scheme have to do the Half- Time teaching / Research assistantship (HTRA) for which:

- a. They should work for eight hours per week in the department to earn this assistantship. They should take one subject theory assigned by respective department compulsory in addition to other load totalling to minimum 08 hours/week.
- b. Candidate must work to solve problems faced by industry/society in their Ph.D. Work
- c. Renewal of assistantship every semester will be contingent on enrolment, satisfactory progress in research work and good performance during the preceding semester in the discharge of responsibility as teaching / research assistant/research scholar.
- d. If any student wish to terminate position as a full-time IIRRS Scholar before three years from the date of joining, such case he/she will be required to return the entire stipend received to the Institute in one installment.

4] Stipend for the Scheme:

Stipend for First Year and Second Year	Stipend for Third Year
Rs. 25,000/- per month	Rs. 28,000/- per month

5] Selection Procedure and Admissions:

- a. Eligible students will be shortlisted through valid GATE Score and SRT Marathwada University, Nanded PET- valid score and followed by interviews at Departmental level.
- b. Master's Degree in Engineering / Technology or equivalent in the relevant area of research along with Bachelor's degree in appropriate branch of Engineering / Technology or equivalent with a **first class** or equivalent Grade Point at both Master's and Bachelors" level.
- c. Number of seats: **Total Ten (10)** from above mentioned departments.
- d. Candidates possessing the minimum educational qualifications and satisfying additional and stiffer criteria set by the departments from time to time will be called for an interview by the selection committee of the respective departments.
- e. Based on the academic record and performance of the candidates in the interview, the departmental selection committee will shortlist the names of candidates found suitable for admission to Ph.D. program under IIRSS.
- f. These names shall be forwarded to S.R.T.M. University, Nanded for obtaining eligibility, PET exemption for GATE and other formalities.

6] Reservation:

The reservation rules will be followed as per Government/University guidelines prevailing at the time of admission. The category (General/OBC/SC/ST/PH) once chosen by applicant in his / her application form shall not be changed at a later stage. Candidates(s) claiming any reservation category (OBC/SC/ST/PH) shall attach a valid caste certificate, cast validity certificate and non-creamy layer certificate along with the application.

7] Fees and Deposits:

As per SGGGS Institute and University norms :

As per Institute and University norms for full time research scholars admitted under other schemes which is applicable for revisions every year.

Application Form Fees:

(To be remitted through SBI collect under 1& 2 category –)

8] Fees Category on SBI Collect:

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| 1. IIRSS-Application Fees (Open, OBC, SBC Category) | Rs.1000/- |
| 2. IIRSS-Application Fees (SC, ST, VJ-A, NT-B, NT-C,NT-D,EWS) | Rs.750/- |

Register your candidature by submitting a fully filled application with attested photocopies of the required documents by post / person on **or before 21st July 2023 by 05:00 p.m.** Late application will not entertained at any circumstances.

9] Provisional list of the eligible/shortlisted candidates for personal interviews will be displayed on Institute's web site www.sgggs.ac.in on **26th July 2023** and personal interviews will be conducted on 31st July 2023 at SGGGS, Nanded.

10] The information through Google link must be submitted :
<https://forms.gle/s5N3Uk5v9aXoU6oo7>

Sd/-

Director

**Shri Guru Gobind Singhji Institute of Engineering & Technology,
Vishnupuri, Nanded-431606 (Maharashtra)**