

tcg crest

Inventing Harmonious Future

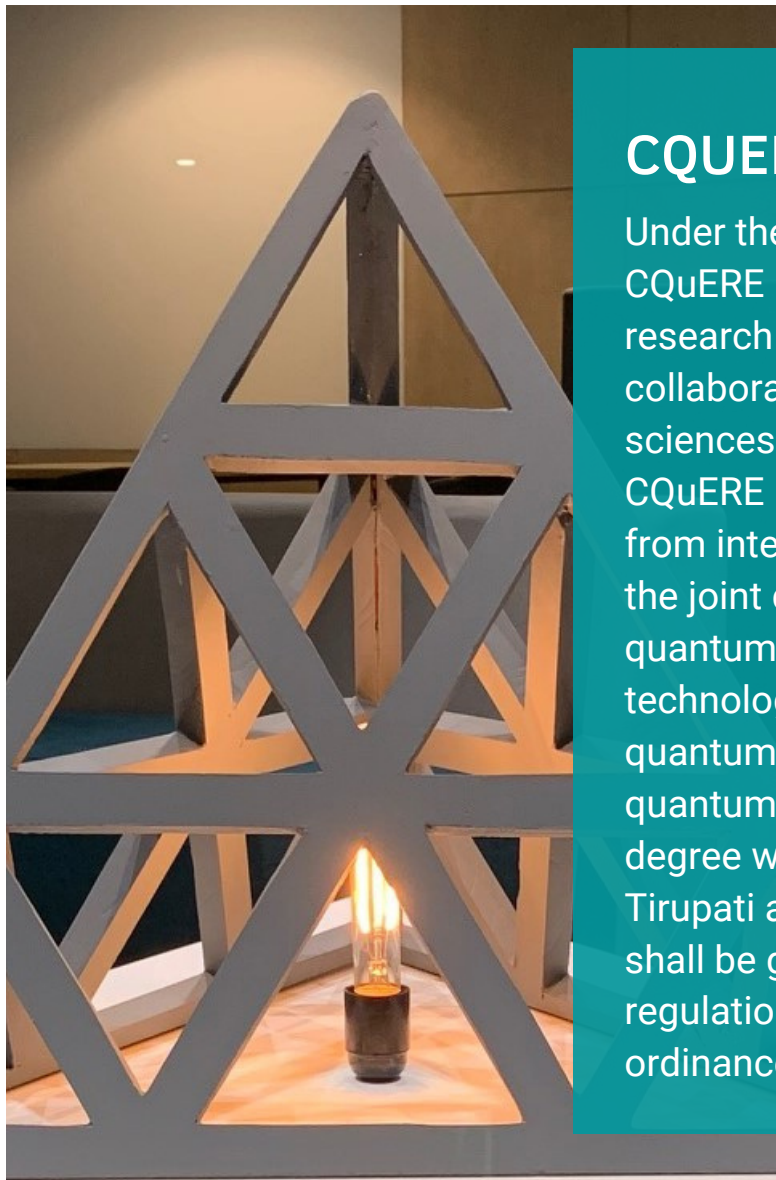


TCG

Centres for Research and Education
in Science and Technology

tcgcrest.org * 96744 26420 * info.iai@tcgcrest.org

PHD PROGRAM



CQUERE, TCG CREST

Under the aegis of the IITT-CQuERE MoU for promoting research and academic collaboration in quantum sciences and technologies, CQuERE is inviting applications from interested candidates for the joint doctoral program on quantum sciences and technologies with emphasis on quantum computing and quantum sensing. The Ph.D. degree will be awarded by IIT Tirupati and the PhD program shall be guided by the rules and regulations of IIT Tirupati Ph.D. ordinances.

ELIGIBILITY

MSc - Physics/Chemistry (preferably physical chemistry), BE / BTech - Engineering Physics/other streams, MS - Computer Science, provided the students have taken some courses in MSc level Quantum Mechanics. All students, who have qualified NET/INSPIRE/JEST/GATE in the areas of Physics/Chemistry/Engineering/Computer Science, can apply.

JUNIOR RESEARCH FELLOWSHIP

Rs. 40,000/-per month (inclusive of HRA)

APPLICATION DEADLINE

30th April 2023



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96744 26420

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visit <https://tcgcrest.org/cquere-programs/> for more details

PhD @ CQuERE



CQuERE-IIT Tirupati joint doctoral programme on Quantum Sciences and Technologies involves collaborative research jointly carried out at CQuERE and IIT Tirupati.

Research Focus Areas

The areas of research currently being pursued at CQuERE are quantum computation (theory), quantum computing using superconducting quantum circuits, photonic integrated circuits for sensing and computing, quantum computing and sensing using cold atoms, quantum algorithms and machine learning.

Please visit <https://www.tcgcrest.org/announcement/iit-tirupati-cquere-joint-phd-programme-on-quantum-sciences-and-technologies/> for more details.



01

Fellowship / Travel Assistantship

Junior Research Fellowship (JRF) of Rs. 40,000/- per month (Inclusive of HRA) shall be given to the selected candidates. Students shall be promoted to Senior Research Fellowship (SRF) after two years as JRF, subject to satisfactory performance in the coursework and the clearing of the Comprehensive examination conducted at the end of the first year after completion of the coursework. An appropriate contingency amount will be provided for attending National/International conferences and other such expenses.

02

Degree Granting Institute

The Ph.D. degree will be awarded by IIT Tirupati and the PhD program shall be guided by the rules and regulations of IIT Tirupati Ph.D. ordinances.

03

Selection

Selection of the candidates will be made based on their performance in the interview.

About TCG CREST

The Chatterjee Group (TCG) launched the TCG Centres for Research and Education in Science and Technology (TCG CREST), a not-for-profit organisation, with an aspiration to become a leading member of the global science and technology driven innovation eco-system by leveraging the substantial Indian scientific talent pool and collaborating with the global centres of excellence. TCG CREST is focused on creation of strong networks with reputed knowledge centres of the world – universities, research institutions, technology innovators and academic communities. It passionately inculcates a culture of continual knowledge exchange through joint projects, research, student exchange, faculty exchange, collaborative workshops, seminars and colloquiums for knowledge creation, knowledge application and knowledge dissemination for the overall benefit of human society.

TCG CREST is recognized as a Scientific and Industrial Research Organization (SIRO) by the Department of Scientific and Industrial Research under the Scheme on Recognition of Scientific and Industrial Research Organization (SIROs), 1988

Present PhD students at TCG CREST

2020	2021	2022
04	06	30



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