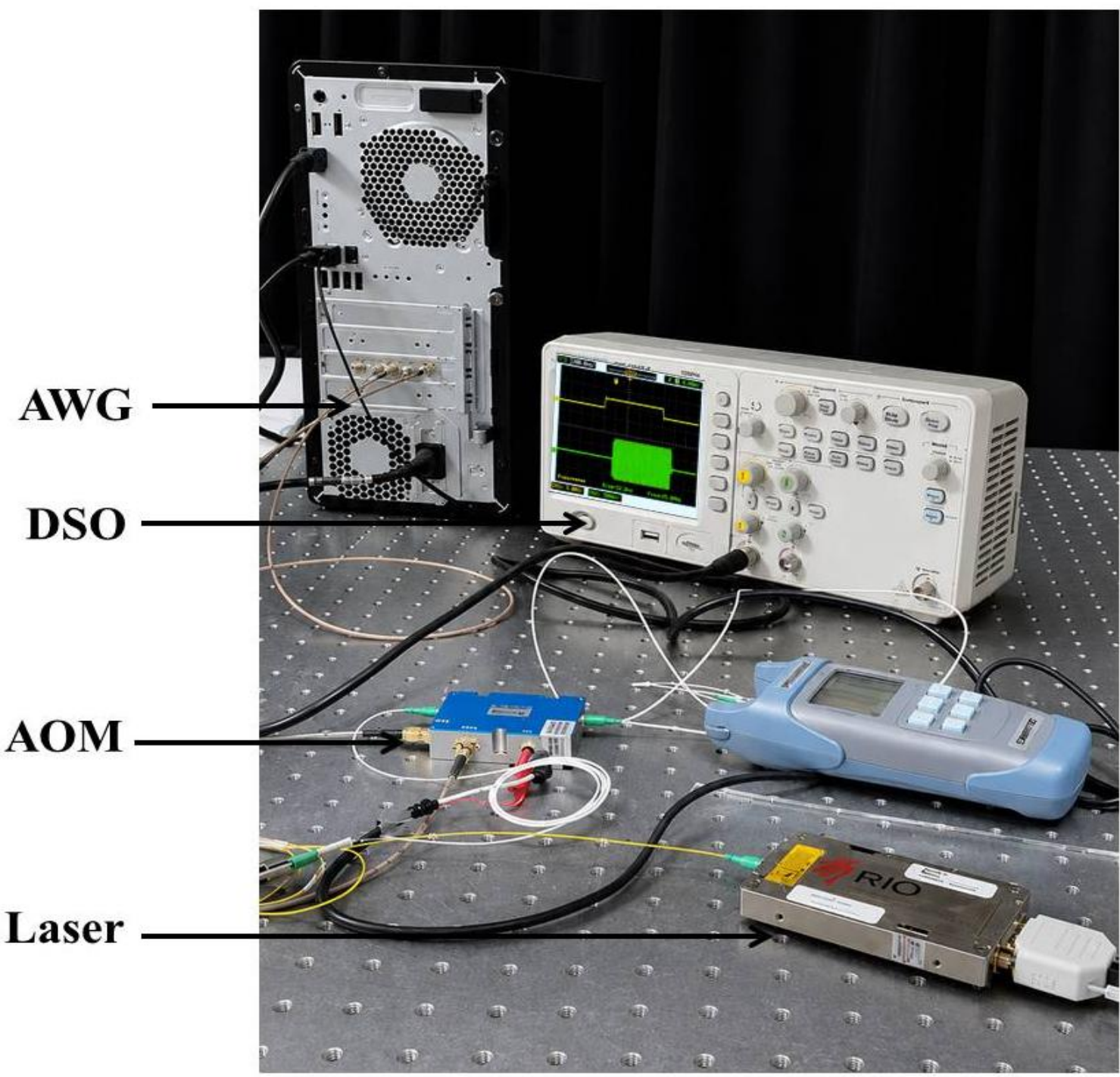


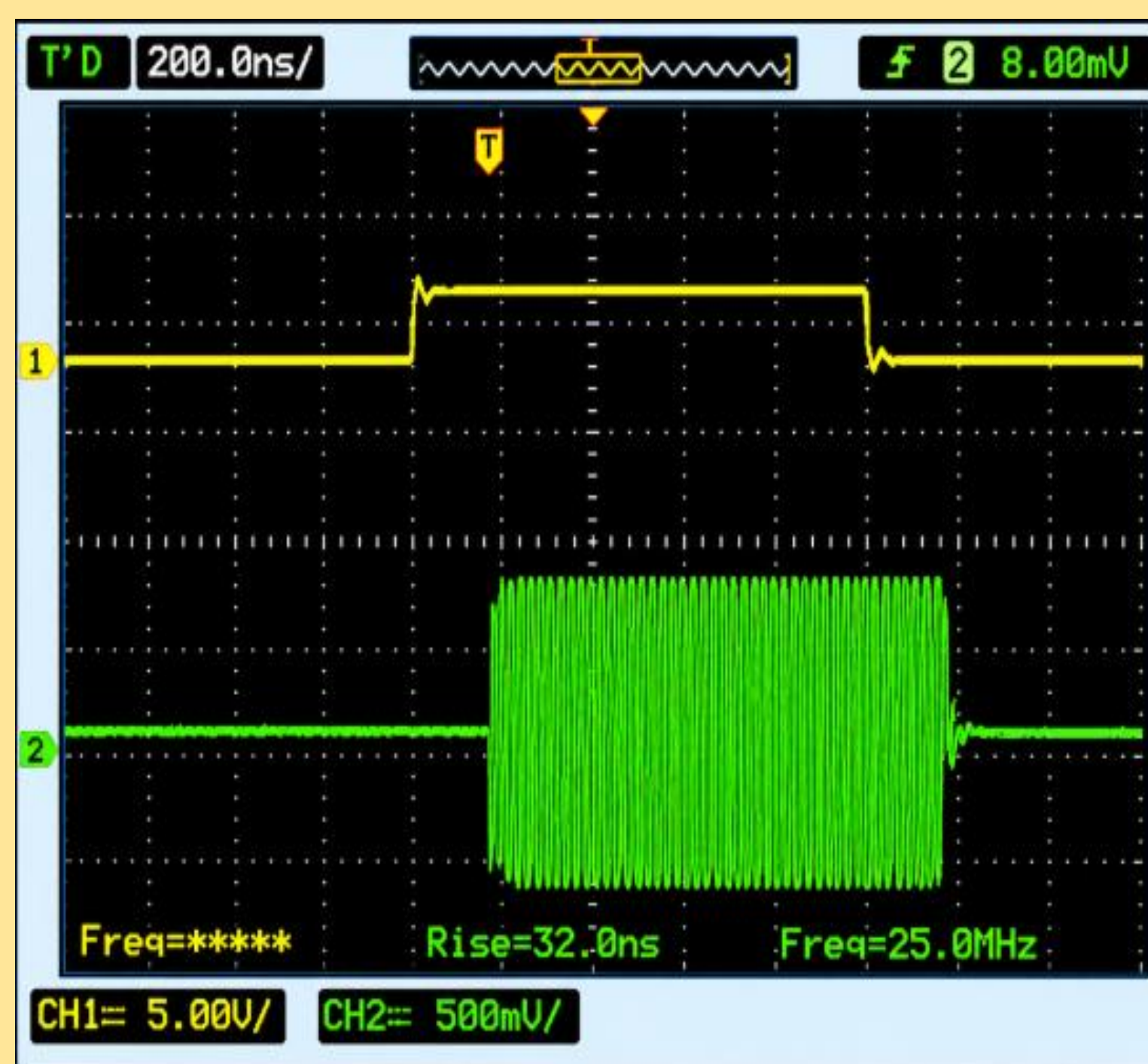
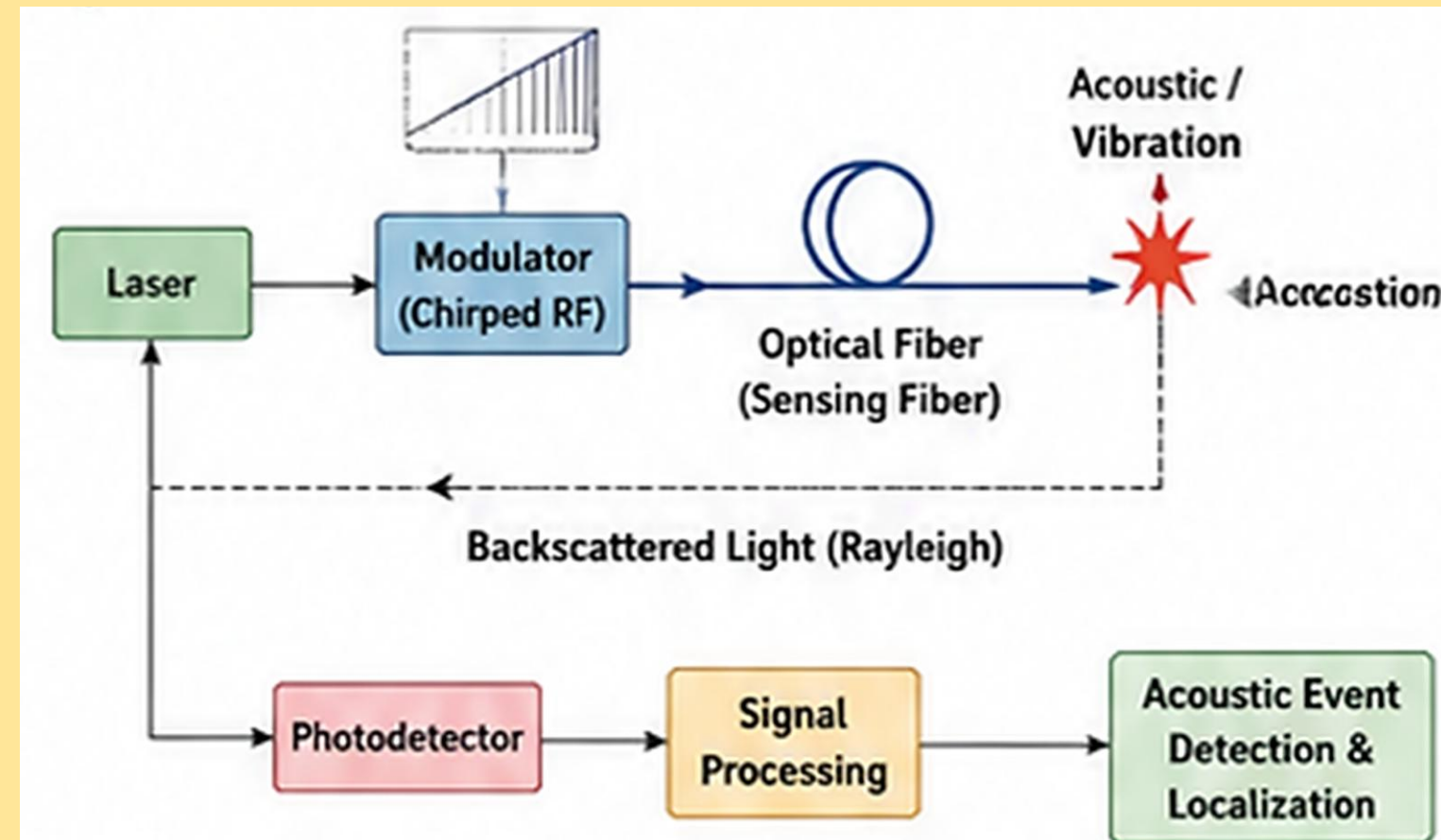
## Industry-Sponsored Research Project

- Prakash Shetty Gasotech Consultancy and Marketing Limited, Gudgaon, India
- Funding Support: ₹67 Lakhs



### Working Principle of DAS

Acoustic vibration induce microscopic strain in the fiber, causing phase changes in the backscattered light (Rayleigh). Coherent detection of the phase change as a function of time and position gives the distributed acoustic response.



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## Optica Student chapter & Bhauthiki

- Research Excellence
- Innovations
- Leadership
- Skill Development
- Outreach
- Networking



100+  
Participants

3000 \$  
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### Chapter Achievements

#### ✉ Boris P. Stoicheff Memorial Scholarship - 2025

Dr. Hasana Jahan E. K.  
Founding President (2024-26)

3000 \$  
Scholarship

1<sup>st</sup> Indian

#### ✉ International Conference Presentations

- 6 papers presented at the International Conference
- Chapter Member received JSAP-Optica Travel Award

## Startups

### Quil Tech

Founder : Jagadish Kumar Panda  
Batch : B Tech Engineering Physics 2016-20  
Fundings : Nidhiprayas (10 Lakhs) & Idea Grant (50,000)



Mr Jagadish was invited to the FINE innovation festival in Rashtrapati Bhavan



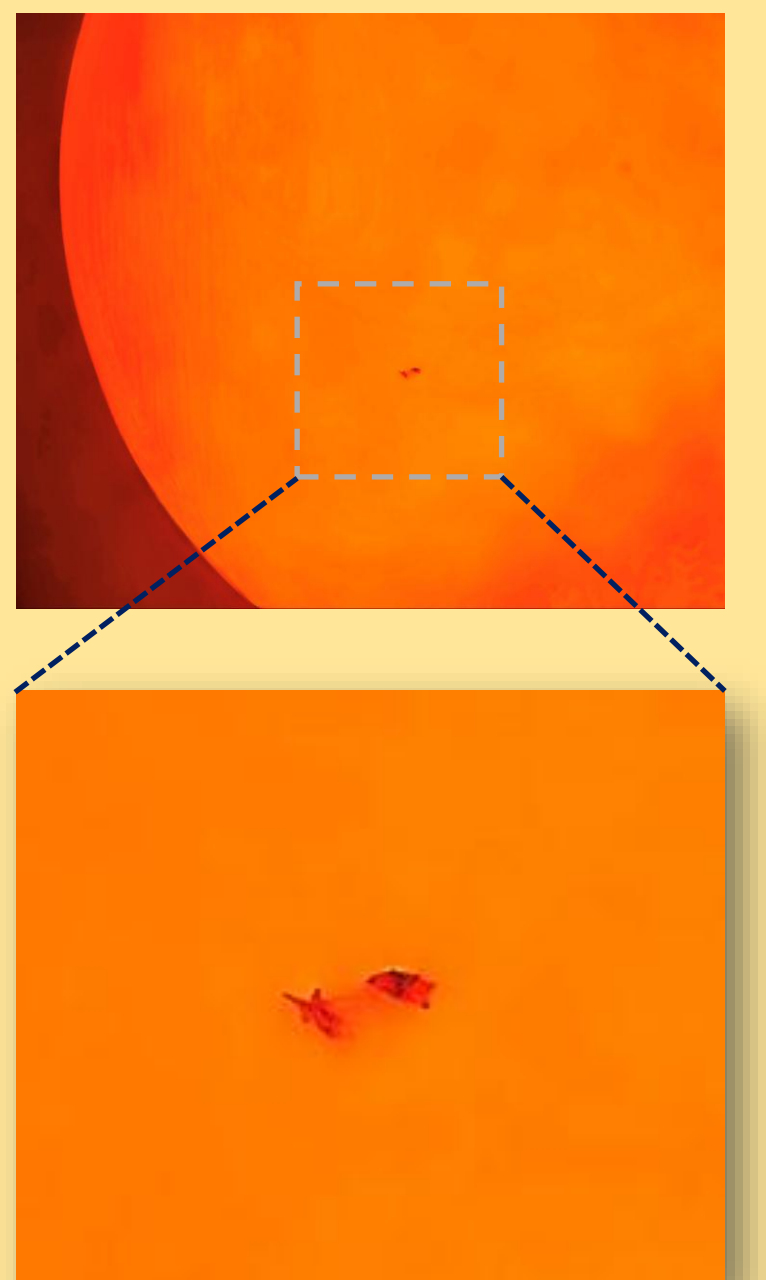
### Nawe Robotics

Co-Founder : Amarnath H  
Batch : B Tech Engineering Physics 2014-18  
Fundings : Nidhiprayas (10 Lakhs) & Startup India Seed Fund (20 Lakhs)



## Lecture Series and Hands-on Activities

Outreach program at Father Mathew Thekkekulam Memorial School, Kakkadampoyil



Hands-on demonstration of the Optical Telescope and Sunspot sighting

## Public Outreach Activity

Prasar Bharathi-All India Radio Program on Ariviyal Neram  
Interview by Dr N. Yogesh in Tamil

