



ACS College of Engineering

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(A Unit of RajaRajeswari Group of Institutions)

CET Code : E186 COMED-K : E003 PG CET : T918



SelectSmart Activity Report

On

Python Programming

By Dr. Karthik Seemakurthy

Ph.D (IIT Madras), Research Scientist,
TCS Research & Innovation Labs

ACTIVITY REPORT

Activity Name & Date	Python Programming on 09-May-2020
Activity Type	Lecture
Conducted By	CTDS Bangalore

About the Activity:

This is a lecture / webinar activity presented by Dr. Karthik Seemakurthy, Ph.D (IIT Madras), Research Scientist, TCS Research & Innovation Labs

About the Mentor (via LinkedIn):

"I am passionate about teaching and doing social service. My objective in life is to support atleast 1000 poor students for their education. I would like to become an entrepreneur. I am highly fascinated towards state-of-the-art technology. I regularly follow famous blogs on MIT news, deep learning and many more.

I always like to interact with young ambitious minds. Gave lots of guest lectures and key note talks in national level conferences and symposiums"

I work in the area of Underwater imaging and my thesis title is "Investigations into underwater imaging".

Motivation behind my work:

Humans cannot go beyond 100 meters of water depth. Hence, in order to explore deep oceans (for oil and gas explorations) scientists use remotely operated vehicles (ROV) and out of the various sensors used, optical image sensor plays a major role for the navigation of the ROV. Underwater images can suffer from different types of degradations including color loss, noise due to floating particles, low contrast, skewing and blurring. Hence, for the proper navigation of the vehicle and exploration of deep ocean resources, Digital image processing plays an important in improving the Image quality. My work primarily revolves around enhancing the underwater image quality which is very much needed as a preprocessing step for effectively adopting the existing computer vision algorithms for underwater scenario.

Video Link of the Activity:

https://drive.google.com/file/d/1l_mMe0FhjcyroVnE4bFiIPKBquWn7fKg/view?usp=sharing

Invitation:



**RAJARAJESWARI GROUP OF INSTITUTIONS
CENTER FOR TEST AND DATA SCIENCES**



are organizing a **WEBINAR** session on

PYTHON PROGRAMMING FOR IMAGE PROCESSING AND COMPUTER VISION

Date: **09-May-2020** | Time: **11am to 12pm** | Platform: **Zoom**

CONDUCTED BY



Dr. Karthik Seemakurthy Ph.D (IIT Madras)
Research Scientist
TCS Research & Innovation Labs



Meeting ID: **885 4359 6436**

Password: **029717**

Zoom Meeting Limit: 500 pax

Only Zoom participants get the opportunity to interact live with the mentor via Zoom.

Also this session will be streamed via YouTube LIVE (Link will be shared 15 mins prior to the session)

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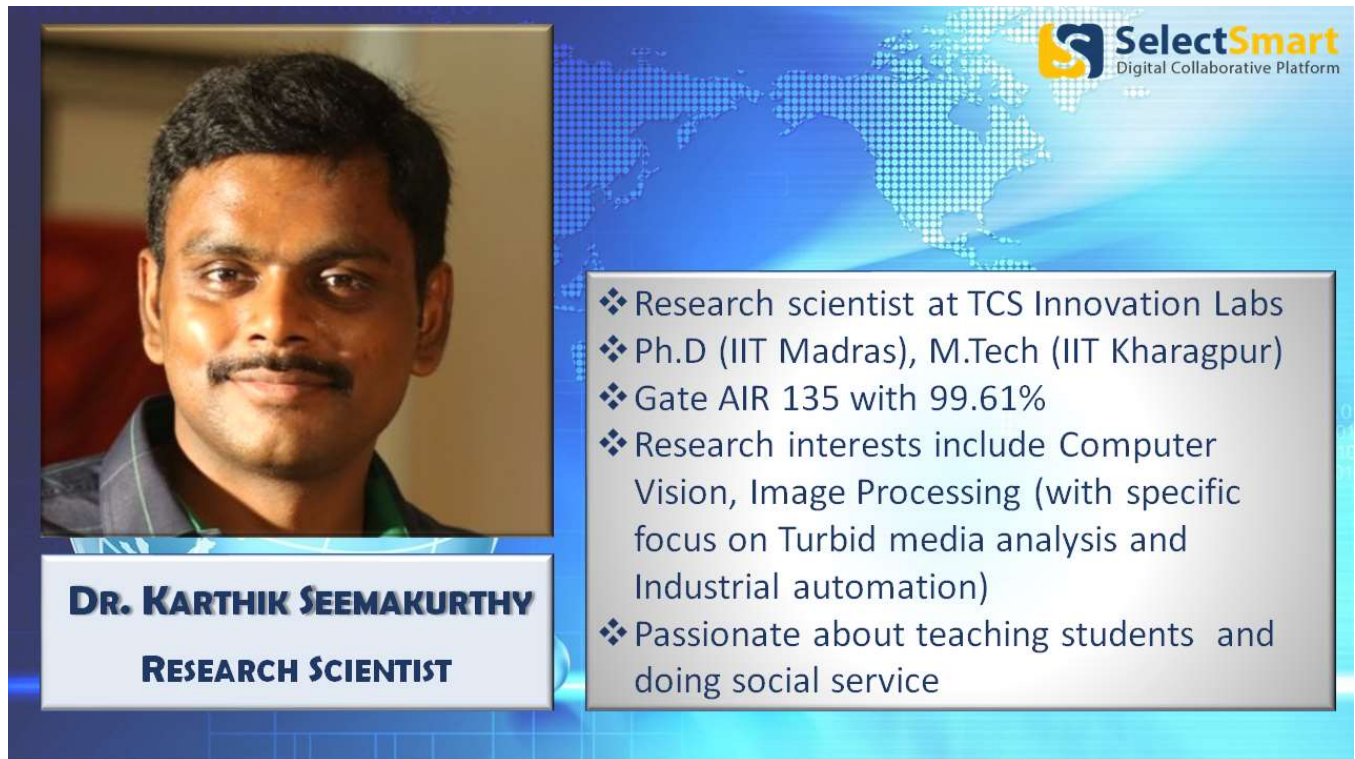


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Mentor Profile:



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DR. KARTHIK SEEMAKURTHY
RESEARCH SCIENTIST

- ❖ Research scientist at TCS Innovation Labs
- ❖ Ph.D (IIT Madras), M.Tech (IIT Kharagpur)
- ❖ Gate AIR 135 with 99.61%
- ❖ Research interests include Computer Vision, Image Processing (with specific focus on Turbid media analysis and Industrial automation)
- ❖ Passionate about teaching students and doing social service

Photo Gallery:



Railway bridge inspection (Civil Engineers)



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