

NATIONAL INSTITUTE OF TECHNOLOGY  
TIRUCHIRAPPALLI

DEPARTMENT OF  
COMPUTER APPLICATIONS

PRESENTS

OPTIMA  
2K19

A NATIONAL LEVEL  
TECH SYMPOSIUM

DATE : 19 & 20 OCT

VENUE : NIT TRICHY

BROCHURE



## ABOUT US

Optima is an annual techno-management symposium organised by The Department of Computer Applications, NIT Tiruchirappalli, This year Optima celebrates 12th glorious years of its making. Since its inception in 2007 plethora of events are organized every year which provides a platform for the youths to showcase their talent and skills, Optima orchestrates a two day technically vibrant and innovative fest spanning through various genres encompassing cutting edge technology and management. Optima attracts 400+ students from more than 35 colleges across the country. The students get an opportunity to learn and compete against the best minds in technology among student community.



## THEME

Cyber-Physical Systems (CPS) are transforming the way humans interact with engineered systems, just as the internet has transformed the way people interact with information. The term CPS was coined by Helen Gill in 2006 but the roots of the CPS are older and deeper, so is the evolution. It involves transdisciplinary approaches, merging theory of cybernetics, mechatronics, design and process science. The process is often referred to as embedded systems with emphasis on the computational elements. In simple terms CPS are integrations of computation, networking, and physical processes, with feedback loops where physical processes affect computations and vice versa. The economic and societal potential of such systems is vastly greater than what has been realized. Implementation of CPS includes smart grid, autonomous automobile systems, medical monitoring, process control systems, robotics systems, and automatic pilot avionics. Through this year's theme, Optima aims to create awareness about evolution, applications and unrealised potential of Cyber-Physical Systems. Join us to explore, learn and celebrate. Welcome to Optima'19.



# AI WORKSHOP

MOHAMEDSIPLI M

Former MLCC Facilitator, Google  
Contributed in UX Research of MLCC,  
Firebase & Tensorflow.

## Agenda

Introduction to Machine Learning  
ML Algorithms and Tensorflow  
Image Processing, NLP & ML in Cloud


## Participants Content


- \*ML Algorithms
- \*Tensorflow and TF GPU
- \*OCR, NLP and Chatbot

Hackathon 01 

Coding and Debugging 02 

Web Design 03 

Technical Debate 04 

Buzzer Quiz 05 

Gaming 06 

Tresure Hunt 07 

## CONTACT US

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