

POWERED BY



**3GIRPS**  
INSTITUTE OF RESEARCH & POLICY STUDIES  
BUILD INDIA TO SERVE THE WORLD

HOSTED BY



# TRAINING PROGRAM ON ARTIFICIAL INTELLIGENCE MACHINE LEARNING & DEEP LEARNING





## WHO WE ARE

3G Institute of Research and Policy Studies (initiative of Mission 3G) is a non-profit organization working with a multi-stake holder ecosystem to create a civil society for innovative actions in education, entrepreneurship and employment.

Mission 3G is a humanitarian enterprise addressing the cause and effect of the “national employment crisis” due to the fourth industrial revolution in India and “technological singularity”, the biggest threat to humanity.( 69% of Indian Jobs will be automated by 2030)

Mission 3G "Build India to serve the world" was launched in ISB Hyderabad and is designed as a result of 8 years of research by thousands of scholars including eminent academicians from Harvard University, Massachusetts Institute of Technology, Indian Institute of Technology (Bombay), Indian Institute of Technology (Delhi), Indian Institute of Management (Bangalore), Indian School of Business (Hyderabad) and other institutes of global stature

## WHY WE DO

“7 out of 10” Indians will have no job in the next 10 years”.

According to the World Bank report, India requires more than 42,000 jobs per day. The existing unemployed population is more than 8.3 crore. If we want to solve this crisis within the next 10 years, India needs a production of 50,000 jobs a day to counter unemployment. The current production rate is 450 jobs only. On top of all that, 69% of Indian jobs will be automated before 2030 which means “7 out of 10” Indians will have no job in the next 10 years”.



64,000  
RESEARCH PROJECT



56  
MISSIONS



43  
PROJECT DESIGN



46  
HANDSHAKES





## **DAY 1**

### **SESSION – I:**

- Introduction to AI & ML
- Foundations : Python, Statistics

### **SESSION – II:**

- Hands on session in Python programming
- Pre-requisites of python programming for AI & ML

## **DAY 2**

### **SESSION – I:**

- Introduction to Machine Learning
- Supervised :
- Algorithms
  - Linear regression – Working principle, Sample program, Use case example, Applications.
  - Support vector Machine – Working principle, Sample program, Use case example, Applications.

### **SESSION – II:**

- Hands on session in Linear Regression models using Datasets.
- Hands on session in Support Vector Machine models using Datasets.

## **DAY 3**

### **SESSION – I:**

- Introduction to Deep Learning
- Open CV projects
- Computer Vision
- Introduction to Tensor Flow
- Tensor Flow – Working principle, Sample program, Use case example, Applications.

### **SESSION – II:**

- Hands on session in projects regarding Image processing – Face recognition, Object detection.
- Hands on session in Tensor Flow using datasets.

### **Note:**

All the projects will be domain-based, As per students department.

# 3G IRPS CAMPUS INNITIATIVES



**INTERNET OF THINGS FOR SMART  
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HIGHER TECHNOLOGY**



**WORKSHOP ON  
ARTIFICIAL INTELLIGENCE  
@ GLOBAL COLLEGE OF ARTS AND  
SCIENCE FOR WOMEN**



**3G IRPS DEBATE  
@TARANG'18 IN  
NATIONAL INSTITUTE OF  
TECHNOLOGY, CALICUT**

**3G JUDGING PANEL SINGAPORE  
INDIA HACKATHON 2019 WITH  
CHIEF GUEST INDIAN  
PM SHRI NARENDRA MODI**



**3G CONDUCTED FUTURE-TECH  
HACKATHON 2019  
@IIT MADRAS RESERACH PARK**







**EXPANDING  
THE  
HORIZON...**





## GET IN TOUCH WITH US

### PROGRAM CONVENOR

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### Course Offered

- Internship
- Ethical Hacking
- Machine Learning - Deep LearningWorkshop
- Google AI
- Python