Sinhgad Technical Educational Society's
**SINHGAD INSTITUTE OF MANAGEMENT**
Affiliated to Savitribai Phule Pune University, Approved by AICTE & Accredited by NAAC B++ Grade
S.No. 44/1, Vadgaon (Bk.), Off Sinhgad Road, Pune 411 041
Telefax: (020) 24356592 E-mail : director_siom@sinhgad.edu Website : www.sinhgad.edu

21st January 2021

**Bloomberg Professor Account Guide for Sinhgad Management Institutes**

Bloomberg for Education is providing e-learning of Bloomberg Market Concepts (BMC) Free web access for 50 students for 1 month. The Sinhgad Management Institutes must nominate 10 meritorious finance students. The shortlisted students will get remote access of BMC using school (sinhgad.edu) email address. They will log in at https://portal.bloombergforeducation.com/login.

**The criteria for short-listing are:**

1. The students must be of MBA Second Year Finance Specialization (Batch 2019-2021) and are yet to beplaced.
2. Click on the google link to register the details of the 10 meritorious finance specializations.https://forms.gle/HoHpRuriFTXRK9C19
3. The student should not have undergone BMC certification training in the year 2019-2021.
4. For remote access on web the Bloomberg user (student) workstation requirements on Laptop are:

**Operating system :** 64-bit Windows 7 or Windows 10
**Memory** **:** 8-16 GB RAM
**Hard Disk** **:** SSD (20 GB Minimum Free Space) or Minimum 8 GB of free space.
**Internet Speed** **:** 5 mbps.

| Sr. No. | Test Name | Number of MCQs | Duration | Marks |
|---|---|---|---|---|
| 1. | Aptitude Test | 25 | 45 minutes | 25 |
| 2. | Domain Knowledge (Economics &Finance) | 25 + 25 =50 | 1 hours | 50 |
| 3. | Communication | 25 | 30 minutes | 25 |
| | | | **Total** | 100 |

The screening process will be conducted **online on 27th January 2021, 10 AM onwards**. The students will be briefed on the Microsoft teams about the certification on the same day. The meeting link will be send to the students on their registered email id.

**Dr. Daniel Penkar**

**Director**

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# Activity Report

| | | | |
|---|---|---|---|
| **Activity Title** | **TAPMI Bloomberg International Olympiad** | **Date & Time** | **1st March 2021** |
| **Activity Category** | **Olympiad** | **Activity Venue** | **Online** |
| **Participants** | **Students** | **Numbers of Participants** | **3** |
| **Name of the Trainer/Guest** | **--** | **Faculty Coordinator** | **Dr. Rizwan Shaikh** |

1st March 2021

**TAPMI BLOOMBERG INTERNATIONAL OLYMPIAD**

TAPMI Finance Forum organized TAPMI BLOOMBERG INTERNATIONAL OLYMPIAD 2021 from 21st February 2021. Every year Sinhgad Institutes Bloomberg Champions participate in the event. As per the mail received from TAPMI Finance Forum the team size must be of maximum three Bloomberg Champions of MBA Second Year Finance Specialization and the event was conducted online.

## The challenge has included the following rounds:

| Date & Time | Rounds | Challenge |
|---|---|---|
| 21st February, 2021 9:00 AM onwards | I | **BLOOMBERG MAESTRO:** Online Quiz to test the Bloomberg Terminal Expertise |
| 22nd to 23rd February 2021,12:00 PM onward | II | **RESEARCH IT RIGHT:** Research Different Sectors and Present the Analysis |
| 24th & 25th February 2021,3:00 PM onwards | III | **THE FINAL BATTEL:** In depth Analysis and Valuation of the Company |

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The name and contact details of following three Bloomberg Champions 2019-2020 of Sinhgad Institute of Management was registered:

1. Shubham Jadhav
2. Deven Patil
3. Madhuja Ghodke

The three Bloomberg Champions are prepared well for the event. On 18th February 2021, the Bloomberg terminal was disabled. Dr. Daniel Penkar, Director, Sinhgad Institute of Managementand Dr. Samita Mahapatra, Coordinator Bloomberg Terminal, SIOM actively followed up with the Bloomberg for Education Team, Palak Sanghavi and Harsh Gandhi (refer the mail trails). TheBloomberg Terminal was enabled on 22nd February 2021. Due to which the Sinhgad Institute of Management students could not perform up to the mark. The top 14 institutes which made it to next round were:

1. Goa Business School
2. IFIM Business School
3. Indian Institute of Foreign Trade, Delhi
4. Indian Institute of Management, Ahmedabad
5. Indian Institute of Management, Bangalore
6. Indian Institute of Management, Jammu
7. Indian Institute of Management, Kozhikoda
8. Indian Institute of Management, Lucknow
9. Indian School of Business
10. N. L. Dalmia Institute of Management Studies and Research
11. NMIMS, Mumbai
12. Southampton Business School
13. TAPMI
14. Xavier Institute of Management, Bhubaneshwar

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# Photographs of the Activity:

**(Left to Right) TAPMI 21st February 2021: Deven Patil, Madhuja Ghodke and Shubham Jadhav**

**Dr. Daniel Penkar**

**Director**

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# Report on Webinar -
# Introduction to "Deep Learning" (Machine Learning)

Date: 13th Jun, 2020

Objectives of Event:
1. Conduction of Deep Learning workshop for MCA students
2. To understand the Deep learning techniques and its live applications

Student Registration list for Deep Learning Workshop

1. Sanket Vadgama 9673374004,sanketvadgama95@gmail.com

2. Sayli Suhas Kulkarni 7498948195 saylisuhaskulkarni@gmail.com

3. Mr.Nihal Mulla +919834028983 nihalmulla9784@gmail.com

4. Aditi Karwat 7798483010 aditikarwat98@gmail.com

5. Payal Manuja 8053748837 payalmanuja10@gmail.com

A) Objectives of Webinar:
Deep learning is a machine learning technique that teaches computers to do what comes naturally to humans: learn by example. Deep learning is a key technology behind driverless cars, enabling them to recognize a stop sign, or to distinguish a pedestrian from a lamppost. It is the key to voice control in consumer devices like phones, tablets, TVs, and hands-free speakers. Deep learning is getting lots of attention lately and for good reason. It's achieving results that were not possible before.

B) About Webinar:

The Deep Learning Webinar Series focuses on the key ideas, historical development, and future direction of deep learning, including applications of deep learning in today's data science landscape.

Deep learning represents the cutting-edge of machine learning in the design of intelligent systems that learn from complex, large-scale datasets. In recent years, interest in deep learning has escalated as emergent developments have enabled computers to perform tasks that were previously believed to be limited to human capabilities of perception, cognition, and effort.

C) Schedule of Webinar:

Date: Jun 13, 2020

Time: 05:00 PM India

D) Webinar Description:

Dr. Amlan Chakrabarti – (Prof. and Director, A.K. Choudhury School of IT, University of Calcutta, Distinguished Speaker at IEEE)

Deep Learning –

He discussed about what is actual deep learning

-Diving Deep to learn

Deep learning actually extracts patters from data using neural networks.

Why deep learning- hand engineered features are time consuming brittle and not scalable in practice.

***can we learn the underlying features directly from data***

1) Low level features - lines & edges

2) Mid level features - eyes & nose & ears

3) High level features - facial structure

Why Now?

Neural networks data back decades, so why the resurgence?

1) Big data-*larger datasets*easier collection & storage  like IMAGEBET

2) Hardware-*Graphics processing units (GPUs)*massively parallelizable  Like Graphics

3) Software - *improves techniques*New models*toolboxes  Like Tensor flow

*Perception: Structural building block of deep learning*

Importance of activation functions

The purpose of activation function is to introduce non- linearity's into the networks

*Also he discussed about which networks we applied that is as follows

1) CNN - *How actually ConvNet pieces (That are three filters) matches the images so, there are three features match pieces of the images.

*Filtering: The match behind the match

1) Line up the feature and the image patch.

2) Multiply each image pixel by the corresponding feature patch.

## E) Photos:

## Why Deep Learning?

Hand-engineered features are time consuming, brittle and not scalable in practice

Can we learn the **underlying features** directly from data?

Low Level Features | Mid Level Features | High Level Features

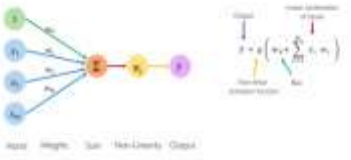
Low Level Features: Edges

Mid Level Features: Eyes & Nose & Ears

High Level Features: Facial Structure

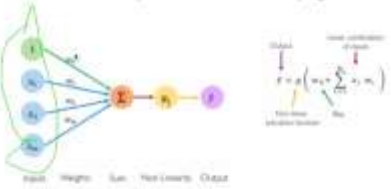


## The Perceptron: Forward Propagation



Input | Weights | Sum | Non-Linearity | Output

## The Perceptron: Forward Propagation

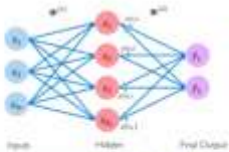


Input | Weights | Sum | Non-Linearity | Output

## Common Activation Functions

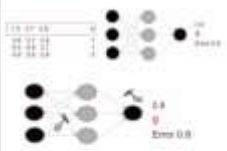
Sigmoid Function | Hyperbolic Tangent | Rectified Linear Unit (ReLU)

## Single Layer Neural Network



Input | Hidden | Final Output

## Perceptron: Role of Weights & Bias



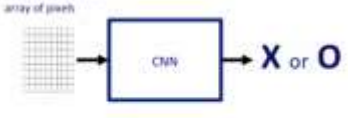
Error 0.8

Adjusting Weights

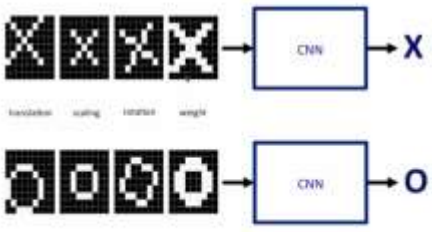
## A toy ConvNet: X's and O's

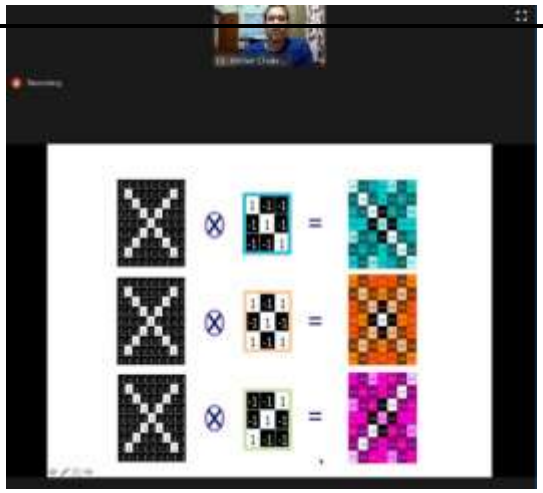
Says whether a picture is of an X or an O

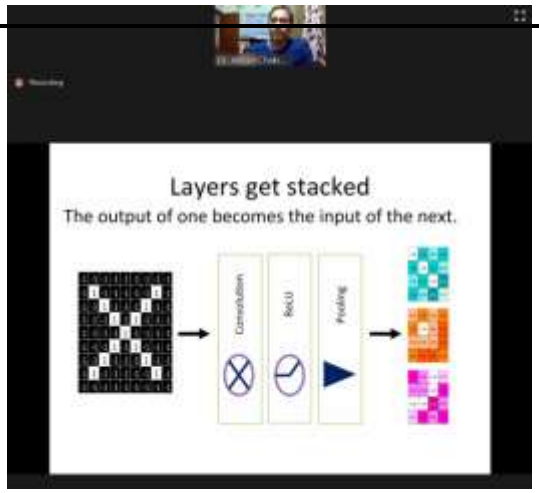
A two-dimensional array of pixels




## Trickier cases








MoU implemented: Nexgentics IT Service, Kolkata

Workshop Title: Deep Learning
Date: 13/06/2020
Student Name: Sanket Vadgama
Class: Second Year - C Division
Learning / Outcomes: The session was based on Deep Learning. A subset of Machine Learning in AI which uses a hierarchical level of Artificial Neural Network to carry out the process.

I learnt how an image is scanned and processes it via CNN, which is the first deep network. Basically, Deep Learning functions imitate the working of the human brain in processing and creating patterns for the use of decision making.

It not only can work with a 2D pattern but works with any 2D and 3D data and sound, which has variations over tho axis.

Few points which were covered are:
1) The Perceptron
2) Activation function
3) Single Layer Neural Network
4) CNN
5) ConVNets
6) ReLU Layer
7) Hyperparameters

The session ended with Q & A for the participants. It was my first exposure to Deep Learning and learnt many important things about it. And looking forward to learn more about it in the near future

Singh

Sinhgad Institute of Management PUNE 411 041.

Dr.Chandrani Singh ,Director –MCA,SIOM


# Report on IIM Calcutta Innovation Park - Invitation || TATA Social Enterprise Challenge 2021

Date :02/1/2021

Objectives of Event:

1. To understand how to promote early-stage startups
2. Participate in competition of startups working in the social sector, like Agriculture, Clean Energy, Education, Healthcare, Livelihoods, Environment, Women Empowerment

All MCA Students you are invited to participate in the TSEC Challenge 2021 by registering on

https://www.tatasechallenge.org

Tata Social Enterprise Challenge (TSEC) 2021, a joint initiative between The Tata Group and IIM Calcutta, to promote early-stage startups.

The challenge puts special focus on startups working in the social sector, like Agriculture, Clean Energy, Education, Healthcare, Livelihoods, Environment, Women Empowerment, etc.

This year besides the Cash Reward of Rs 6 Lakhs, the winners have an opportunity to pitch to investors for a seed fund of up to Rs 1 crore among other takeaways like incubation at IIM Calcutta Innovation Park and mentoring from renowned mentors and experts.

Before final submitting idea .kindly get approve from SIOM-Institution Innovation Council (IIC).

Looking forward to your Participation.

IIC-SIOM

Mob. 8805010746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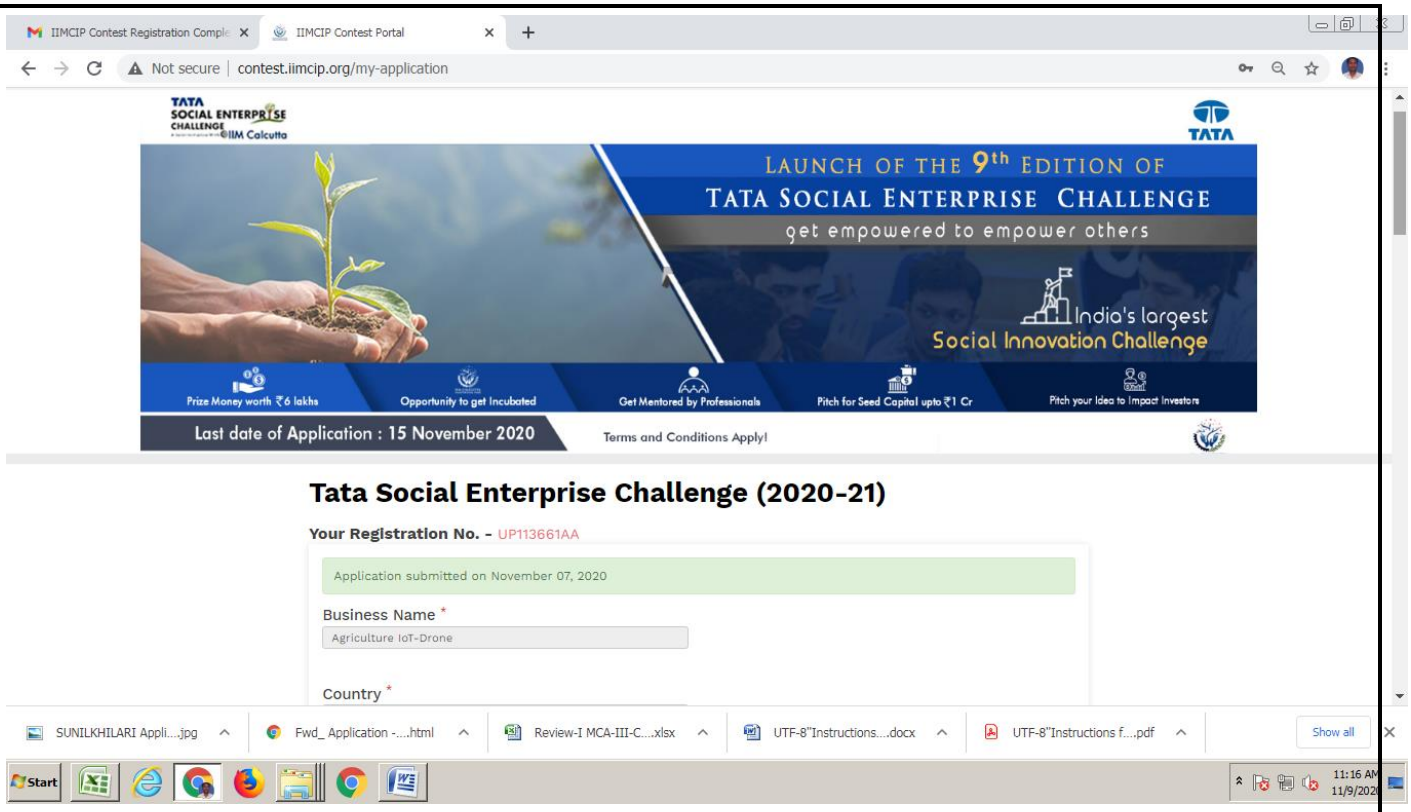
Social sites
Regular websites
Tech web
Shri's Blogs
Banking
Research
Companies
Tommorrows task
project
uipath
free hire
Social Innovation
Opportunity to get Incubated
Get Mentored by Professionals
Pitch for Seed Capital upto ₹1 Cr
Last date of Application : 15 November 2020
Terms and Conditions Apply!
Tata Social Enterprise Challenge (2020-21)
Your Registration No. - PD112570GF
Application submitted on November 01, 2020
Application successfully updated.
Business Name *
Automation Task Force (ATF)


TATA
SOCIAL ENTERPRISE
CHALLENGE
IIM Calcutta
TATA
8TH TATA SOCIAL ENTERPRISE CHALLENGE
LAUNCH EVENT
&
THINKING SOCIAL SEMINAR
VENUE
PUMBA AUDITORIUM
PUNE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TATA SOCIAL ENTERPRISE CHALLENGE @IIM Calcutta
TATA
LAUNCH OF THE 9th EDITION OF
TATA SOCIAL ENTERPRISE CHALLENGE
get empowered to empower others
India's largest
Social Innovation Challenge
Prize Money worth ₹6 lakhs
Opportunity to get Incubated
Get Mentored by Professionals
Pitch for Seed Capital upto ₹1 Cr
Pitch your Idea to Impact Investors
Last date of Application : 15 November 2020
Terms and Conditions Apply!
Tata Social Enterprise Challenge (2020-21)
Your Registration No. - UP113661AA
Application submitted on November 07, 2020
Business Name *
Agriculture IoT-Drone
Country *
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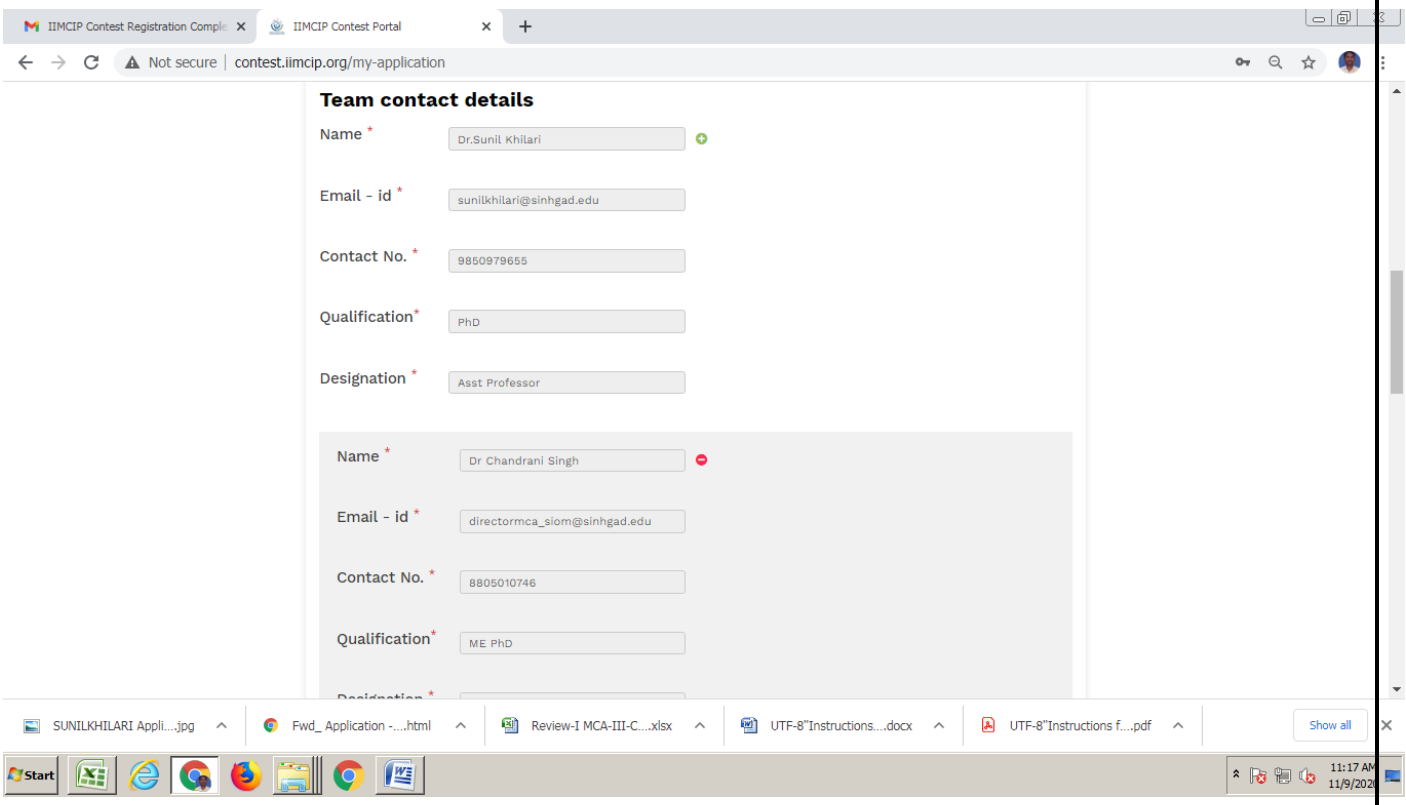
IIMCIP Contest Registration Comple
IIMCIP Contest Portal
Not secure | contest.iimcip.org/my-application
Team contact details
Name * Dr.Sunil Khilari
Email - id * sunilkhilari@sinhgad.edu
Contact No. * 9850979655
Qualification* PhD
Designation * Asst Professor
Name * Dr Chandrani Singh
Email - id * directormca_siom@sinhgad.edu
Contact No. * 8805010746
Qualification* ME PhD
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11/9/2020

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**Website**

www.sinhgad.edu

**Sector** *

Education

**Business Structure** *

Not for Profit

**What need are you addressing? How big is the need?** *

Complexities in water distribution for the use of Agriculture through irrigation canal .effecting in water wastage and farmers crises against water distribution authority.

Total word count: 23 words. Words left: 277

**Describe your Solution (with Key functions) and how it addresses the need** *

1) Identify leakages to canal of water supply
2) Measure the quantity of water supplied to agriculture farm and actual water received in farm
3) Billing of water supply at actual water received in farm
4) Quantify water consumption pattern by farm and by crop

Total word count: 158 words. Words left: 142

**Who are your target customers and why they would use your product?** *

Problems which are frequently encountered in irrigation canal systems. Some of these are described are problems that can be found in an irrigation canal network include: - limited amounts of water available at the water source; - high water consumption in fields close to the water source resulting in water shortages at the tail end of the scheme; - illegal

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Start 11:17 AM 11/9/2020

IIMCIP Contest Registration Comple | IIMCIP Contest Portal

Not secure | contest.iimcip.org/my-application

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Total word count: 146 words. Words left: 154

**Explain how the business will earn revenue and how much revenue are you expecting?** *

We have already developed device which has been published in IPR gazette of govt.of India and team of researchers and students whom have experience of research projects and execution, implementation experience
Our team capacities
Sales - For sales we will contact irrigation department of government also for farmers community

Total word count: 120 words. Words left: 180

**Explain the innovative /Novelty/Unique features of your idea/solution. How is your solution different from the existing/competitors product/substitutes?** *

Latest technology developments have turned present-day unmanned systems into realistic alternatives to traditional water supply survey methods. Benefits include longer survey durations, improved mission safety, mission repeatability, and reduced operational costs. We review the present status of flying robot suitable for monitoring water leakages to canal system of irrigation. We describe the technical requirements for each of these monitoring types and discuss the operational

Total word count: 115 words. Words left: 185

**What is the Social Impact that your venture can generate?** *

Flying robot will designed and operationalized. Break-even point – No Loss no Profit –complete for social cause for initial 2 years.Complexities in water distribution for the use of Agriculture through irrigation canal .effecting in water wastage and farmers crises against water distribution authority.Benefits include survey duration, mission safety, repeatability, and reduced costs.

Total word count: 129 words. Words left: 171

**What is the current status of the business. If already launched, describe your achievements so far** *

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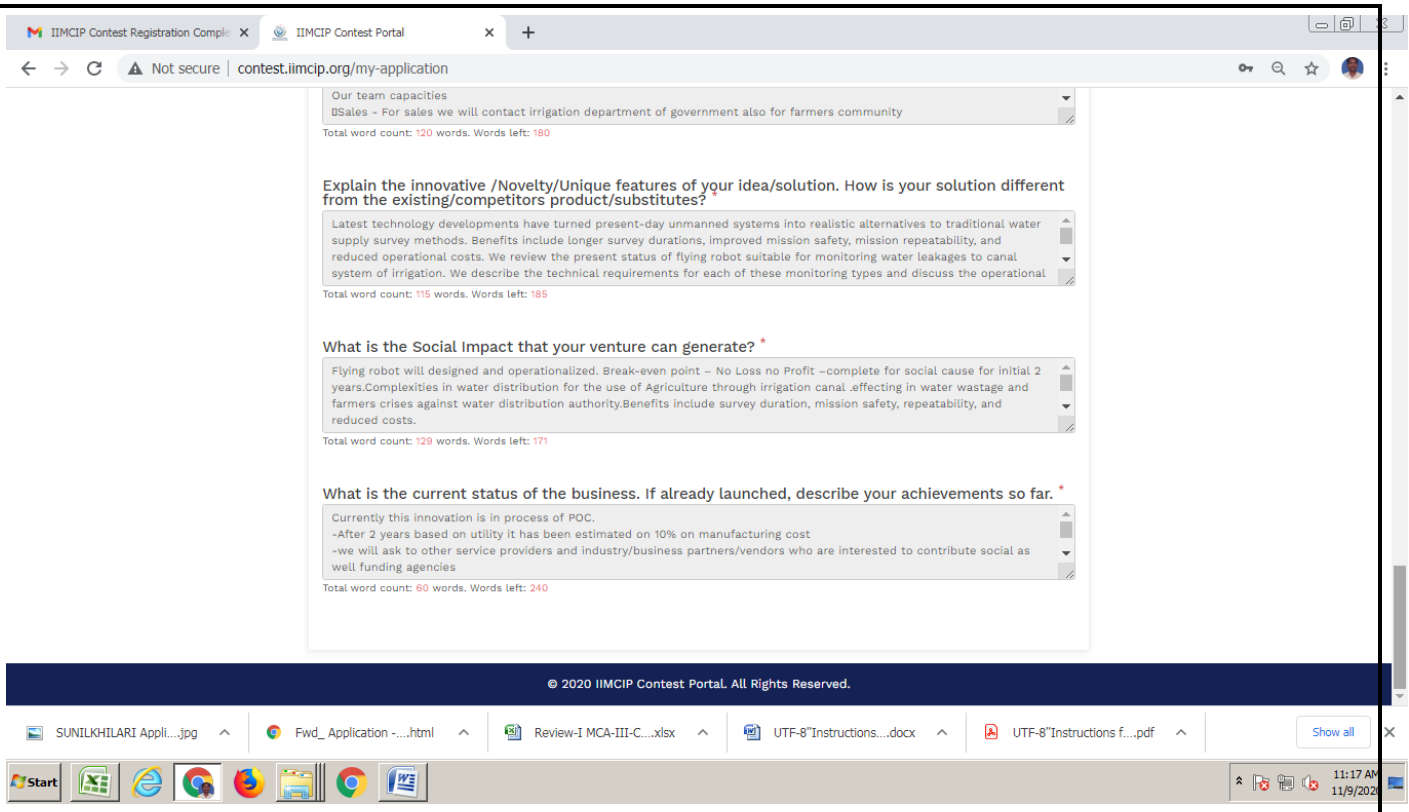
Start 11:17 AM 11/9/2020




prometric.com
To: sunilkhilari@hotmail.com
Date: Tue, 3 Sep 2013 10:38:56 +0000
Subject: Prometric IBT - Test Results

**Prometric IBT - Test Results**

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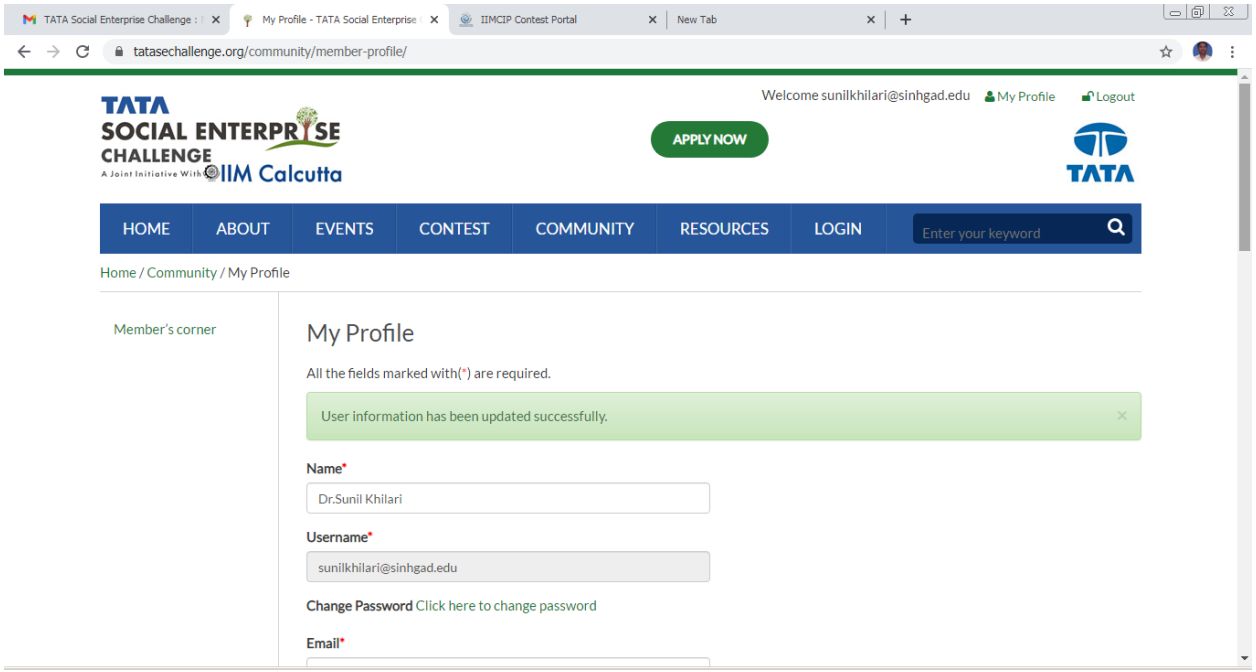
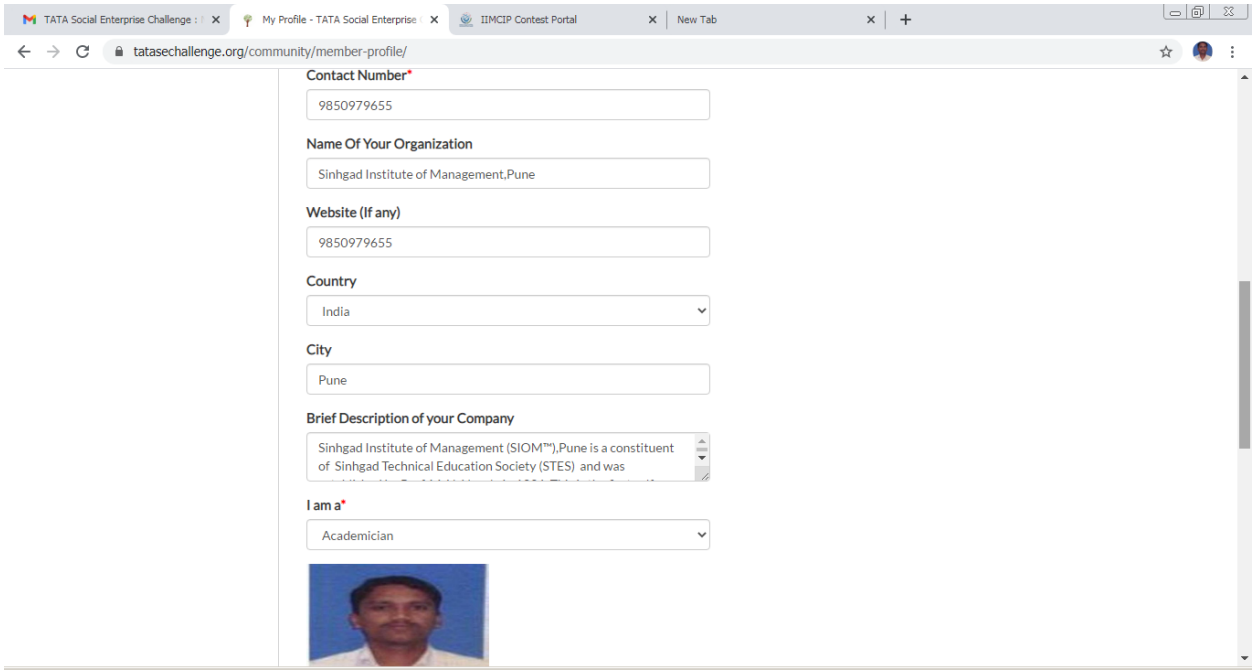
Thank you for using Prometric Internet Based Testing. Below are the results of your recently attempted test:

==========

Name: sunil Khilari
Name of candidates company (if provided):
Student ID:
Test Title: 2013 IIM TCA Certification
Start time: 9/3/2013 5:31:52 AM (GMT-5:00) (cst)
End time: 9/3/2013 5:38:34 AM (GMT-5:00) (cst)
Passing Score: 80%
Your Score: Pass - 88.46% (23 earned out of 26 possible)
TCA ID: IILONSUNILK
Main Site ID: IILON
Other Site ID:
Congratulations! You are now certified to deliver the 2013 CAT IIM exam.

Member





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1. Sanket Vadgama 9673374004,sanketvadgama95@gmail.com

2. Sayli Suhas Kulkarni 7498948195 saylisuhaskulkarni@gmail.com

3. Mr.Nihal Mulla +919834028983 nihalmulla9784@gmail.com

4. Aditi Karwat 7798483010 aditikarwat98@gmail.com

5. Payal Manuja 8053748837 payalmanuja10@gmail.com

A) Objectives of Webinar:
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C) Schedule of Webinar:

Date: Jun 13, 2020

Time: 05:00 PM India

D) Webinar Description:

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*Perception: Structural building block of deep learning*

Importance of activation functions

The purpose of activation function is to introduce non- linearity's into the networks

*Also he discussed about which networks we applied that is as follows

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1) Line up the feature and the image patch.

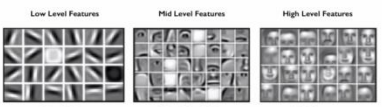
2) Multiply each image pixel by the corresponding feature patch.

## E) Photos:

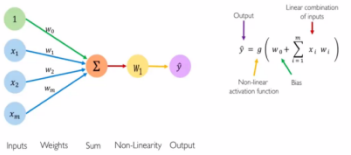
## Why Deep Learning?

Hand engineered features are time consuming, brittle and not scalable in practice

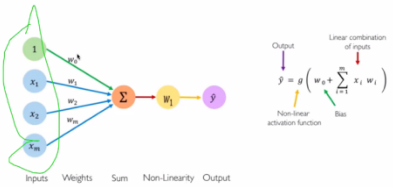
Can we learn the **underlying features** directly from data?



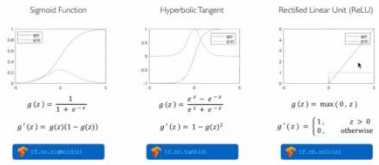

## The Perceptron: Forward Propagation




## The Perceptron: Forward Propagation

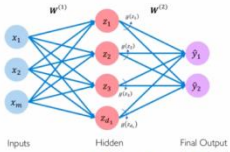



## Common Activation Functions

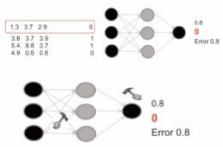



NOTE: All activation functions are non-linear

## Single Layer Neural Network



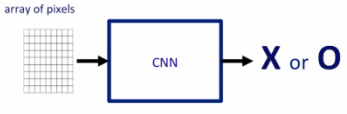

## Perceptron: Role of Weights & Bias



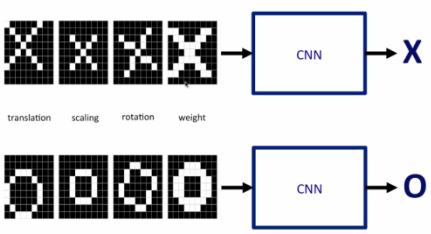

**Adjusting Weights**

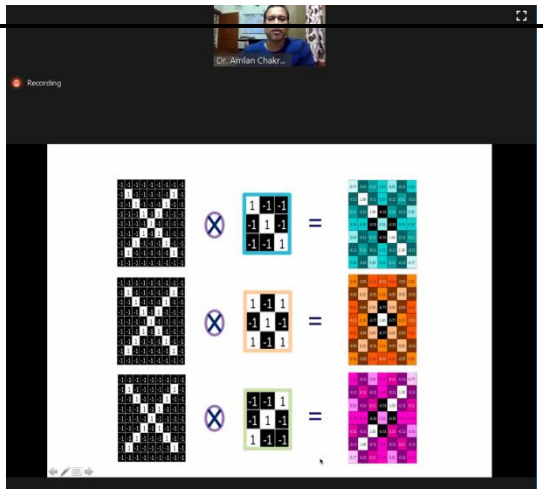
## A toy ConvNet: X's and O's

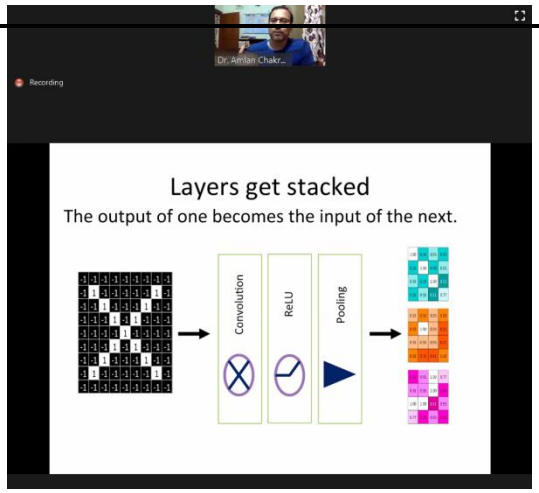
Says whether a picture is of an X or an O




## Trickier cases








MoU implemented: Nexgentics IT Service, Kolkata

Workshop Title: Deep Learning
Date: 13/06/2020
Student Name: Sanket Vadgama
Class: Second Year - C Division
Learning / Outcomes: The session was based on Deep Learning. A subset of Machine Learning in AI which uses a hierarchical level of Artificial Neural Network to carry out the process.

I learnt how an image is scanned and processes it via CNN, which is the first deep network. Basically, Deep Learning functions imitate the working of the human brain in processing and creating patterns for the use of decision making.

It not only can work with a 2D pattern but works with any 2D and 3D data and sound, which has variations over tho axis.

Few points which were covered are:
1) The Perceptron
2) Activation function
3) Single Layer Neural Network
4) CNN
5) ConVNets
6) ReLU Layer
7) Hyperparameters

The session ended with Q & A for the participants. It was my first exposure to Deep Learning and learnt many important things about it. And looking forward to learn more about it in the near future

Singh

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