



DEPARTMENT OF INFORMATION TECHNOLOGY

Institute Vision

"To be globally acclaimed Institute in Technical Education and Research for holistic Socio-economic development".

Institute Mission

- To ensure that 100% students are employable and employed in Industry, Higher Studies, become Entrepreneurs, Civil / Defense Services / Govt. Jobs and other areas like Sports and Theatre.
- To strengthen Academic Practices in terms of Curriculum, Pedagogy, Assessment and Faculty Competence.
- Promote Research Culture among Students and Faculty through Projects and Consultancy.
- To make students Socially Responsible Citizen.

Message from HoD's Desk

"We are confident enough that our Engineers will emerge as assets not only to this institution and to the organization, but also to the country at an extent. Along with academic knowledge we also train our Engineers to face the challenges in life by providing many value added courses to enhance their career prospects. The excellent infrastructure, teaching faculty of the best kind ensuring quality education such as interaction among students, parents and staff, along with Training & Placement Cell ensuring a bright future to our students."

ITVishwa

Volume -2 / Year:2019-2020, Issue- 1

Department Vision

"To provide student-centered state-of-the-art academically enriched environment for productive careers in the world of computing through creativity and innovation"

Department Mission

- To promote aspiring ethically conscious engineers demonstrating sustainable employability and entrepreneurship.
- To impart quality education with the focus on analytical and problem-solving skill development.
- To foster inspired scholarly environment through active student-faculty participation in research and development resulting in new knowledge-base or insights.
- To prepare students to shoulder social responsibilities by application of their skill set for betterment of society.

“STUDENTS CLUBS”



Bansilal Ramnath Agarwal Charitable Trust's
Vishwakarma Institute of Technology

(An Autonomous Institute affiliated to Savitribai Phule Pune University)

DEPARTMENT OF INFORMATION TECHNOLOGY

Course wise count:

- C & C++: 80
- Python: 53
- Java: 37
- Android: 28
- Web Development: 31
- Ethical Hacking: 18

Total Count: 247

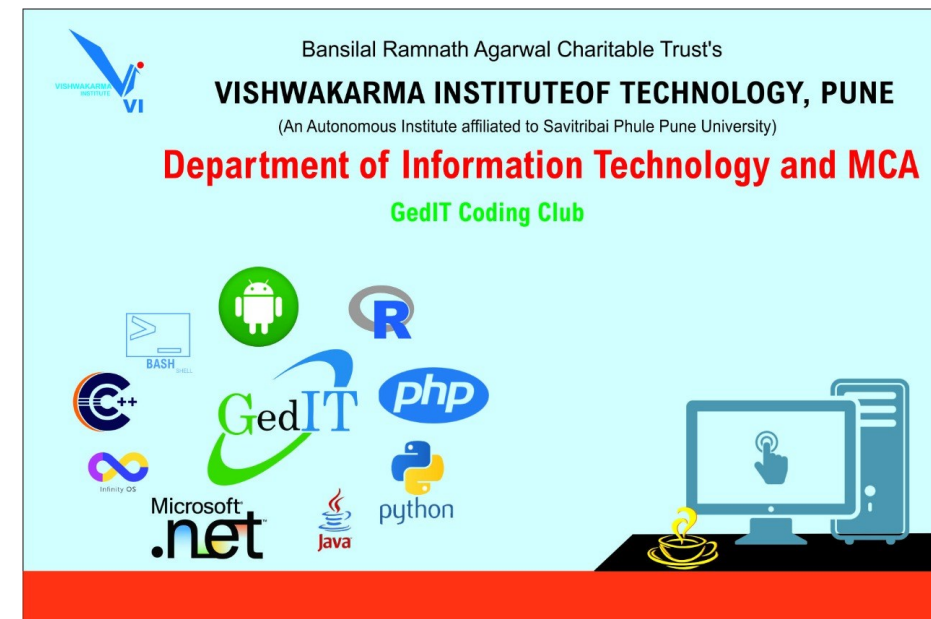
Student Coordinator:

Sadanand Gandewar, Kunal Kavthekar,

Rahul Chugwani, Anuj Khandelwal

Staff Coordinator: Mrs. A.R. Sawant

The “GedIT” is a club organised by the IT students that mainly focuses on training and developing the coding skills of the fellow members who have joined the club for learning various diversities of Coding and Design.



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“GEDIT CODING CLUB”



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**Bansilal Ramnath Agarwal Charitable Trust's
Vishwakarma Institute Of Technology**
Gedit Coding Club organised by Department of Information Technology & MCA

Gedit
Let IT make a difference

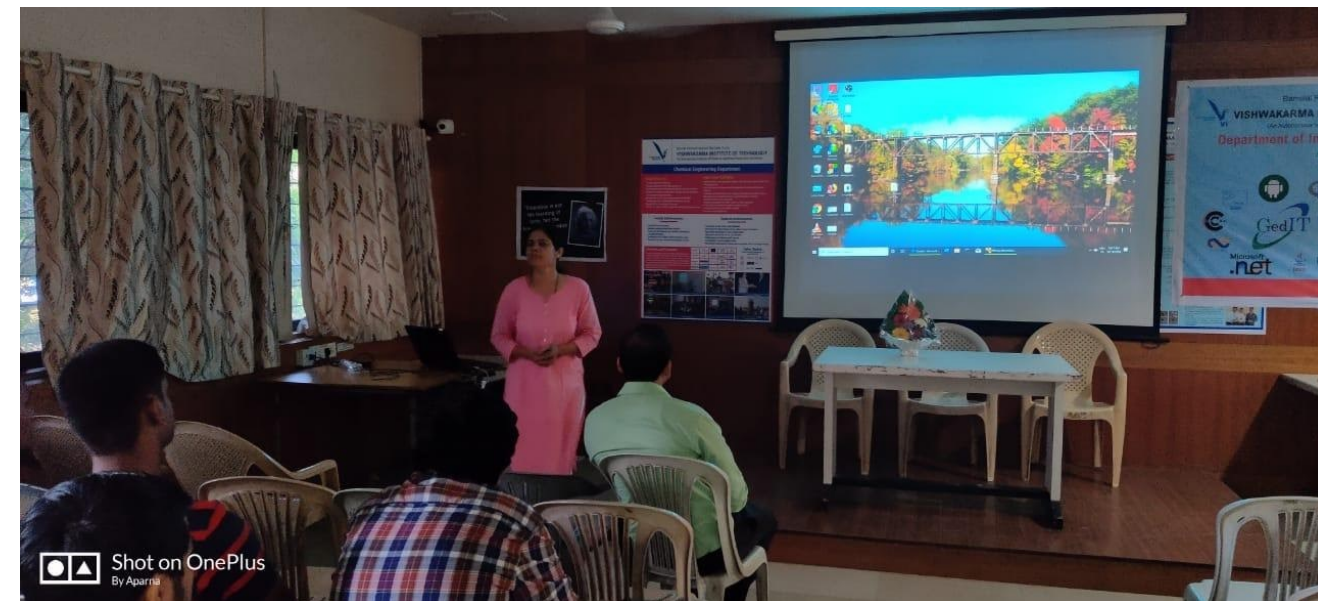
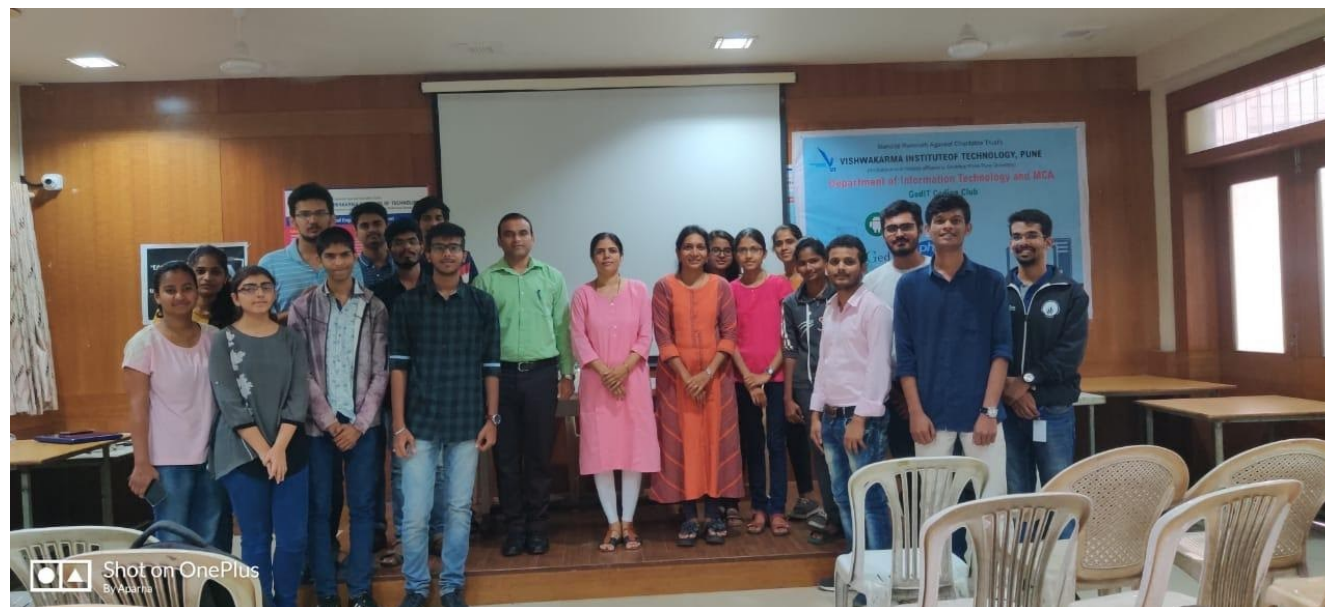
Gedit Coding Club Presents Guest Session on
“Cyber Security and Data Security”
By
Mrs. Seema Dixit
(Lead Security Trainer and Senior Security Analyst in IQSPL, Pune.)

Venue : Seminar Hall(1017)
Date : 13-10-2019 , Sunday
Time : 10.00 am to 12 noon

@ gedit.vit
f Gedit Coding Club VIT

Session Outcome:

- ♦ overview of Cyber Security and deep dive into tools, tips, and ethics of system security
- ♦ concepts of encryption & decryption of data over the internet using real world situations, tools and possible solutions to improve one's online foot print in terms of data security
- ♦ the direction of project and career prospects in Hacking and Data Security



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“DEVELOPER STUDENTS CLUB”



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DEPARTMENT OF INFORMATION TECHNOLOGY

Google Cloud Study Jam And Tech Connect

10/08/2019
11/08/2019



C and C++ Workshop

20/09/2019 to 22/09/2019



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“DEVELOPER STUDENTS CLUB”



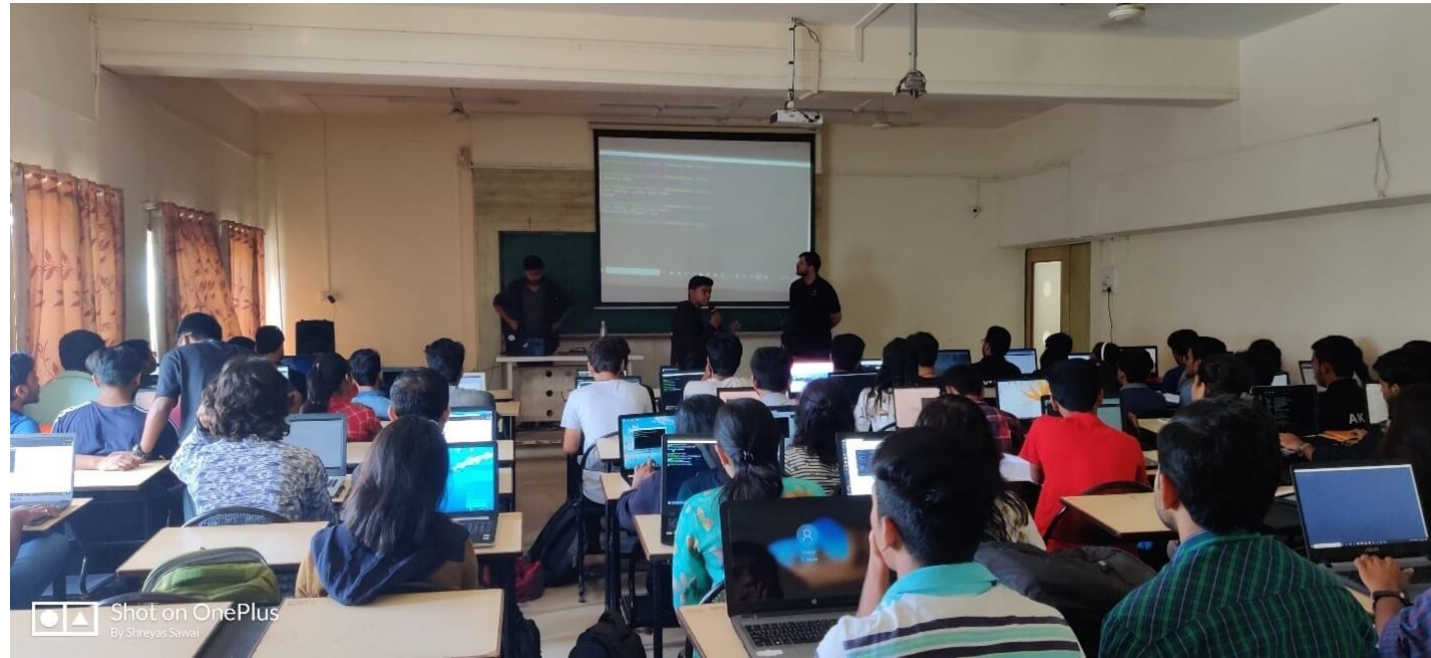
Bansilal Ramnath Agarwal Charitable Trust's
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DEPARTMENT OF INFORMATION TECHNOLOGY

Git-Hub Workshop

29/09/2019



CloudFest 2019

11/10/2019



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DEPARTMENT OF INFORMATION TECHNOLOGY

Python Workshop

16/11/2019



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DEPARTMENT OF INFORMATION TECHNOLOGY

Developer Student Clubs
Vishwakarma Institute of Technology, Pune

MLfest'19

Explore ML Workshop

Learn with Google AI

Let's Learn ML Together!

Sunday, 17 November 2019
09:00 AM - 07:00 PM

Sharad Arena
VIT, Pune

Registration
http://bit.ly/MLFest_Invitation

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“DEVELOPER STUDENTS CLUB”



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DEPARTMENT OF INFORMATION TECHNOLOGY



Developer Student Clubs
Vishwakarma Institute of Technology, Pune



Flutter
Interact

21st December, 2019
10:00 AM to 11:30 AM

Vishwakarma Institute of Technology, Pune



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Sr. No	Type of Activity	Date	Topic
1	Workshop	14/09/2019	Python
2	Expert talk	28/09/2019	Role of IEEE in professional life
3	Expert talk	30/09/2019	Cyber Security
4	Coding Competition	20/10/2019	IEEE XTREME 13.0
5	Technical Competition	21/11/2019	SET CODE 2.0
6	Social Visit	23/11/2019	Orphanage rainbow house,Pune

“TOPPERS A.Y. 2018-2019”



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Congratulations!



Category	Name of Student	CPI
Best Outgoing Student	Bidwalkar Shruti Nikhil	9.79
U.G. Silver Medalist	Bidwalkar Shruti Nikhil	9.79
T.Y. B.Tech. Topper	Doke Niket Subhash	9.81
S.Y.B.Tech. Topper	Hatekar Vedika Pradip	9.6
F. Y. B.Tech. Topper	HIMANSHU RAMAN PANDEY	9.04



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“STUDENTS ACHIEVEMENTS”



Bansilal Ramnath Agarwal Charitable Trust's
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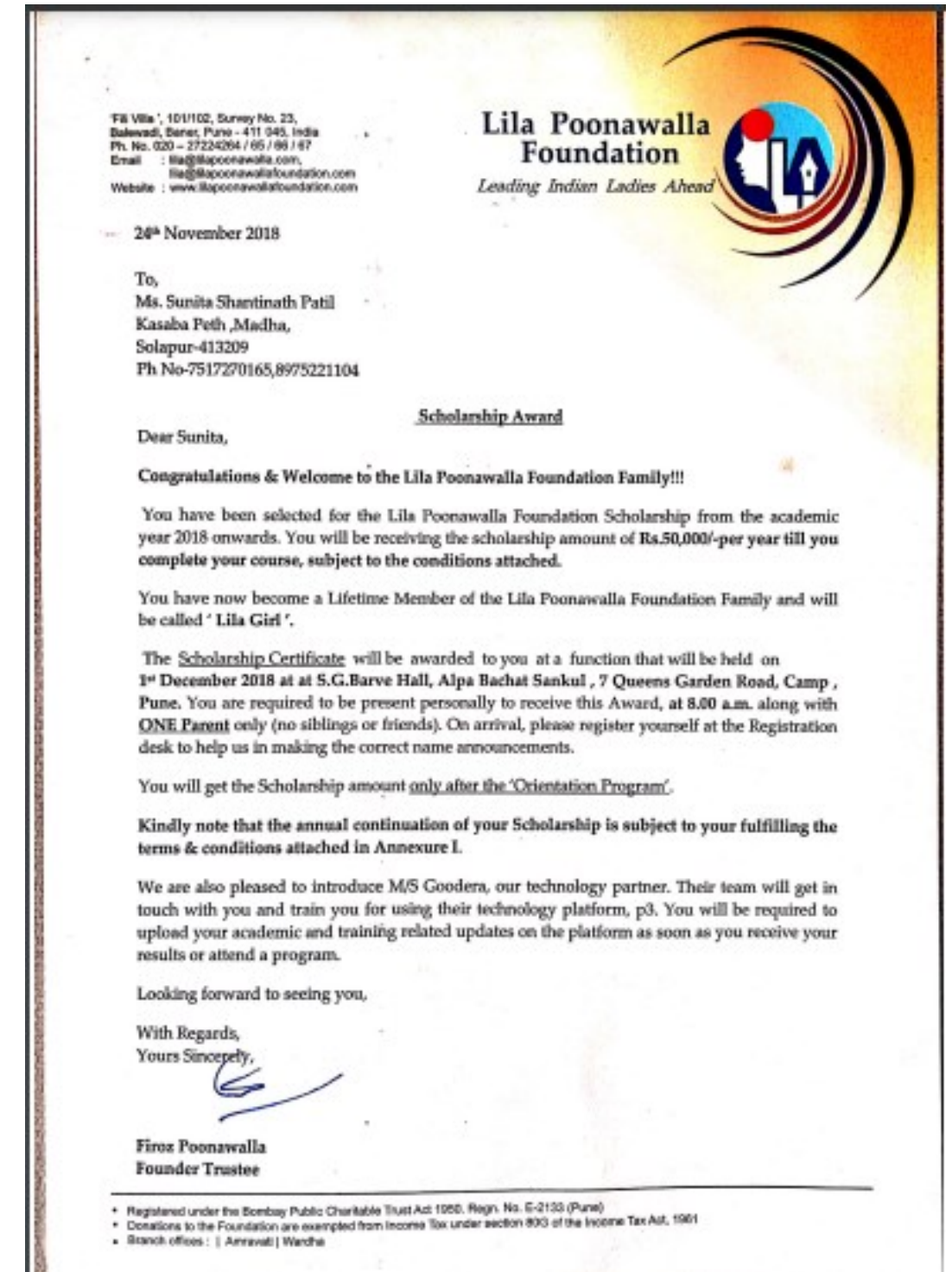
(An Autonomous Institute affiliated to Savitribai Phule Pune University)

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Sunita Patil

-Got meritorious scholarship of Rs 50,000/- per year
(Total amount Rs 1,50,000/-) from Lila Poonawala Foundation.

Congratulations!



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“STUDENTS ACHIEVEMENTS”



DEPARTMENT OF INFORMATION TECHNOLOGY

Harshada Salunke

- Got meritorious scholarship of Rs 60,000/- per year (Total amount Rs 1,80,000/-) from Leela Poonawala Foundation.
- She also received meritorious Scholarship from Persistent Rs 40,000/- per year (Total amount -Rs 1,20,000/-).

Congratulations!



“STUDENTS ACHIEVEMENTS”



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Sushmita Kaneri won Hackathon 3.0



Congratulations!



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“STUDENTS ACTIVITY”



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Congratulations!

Atmabodh



- Aatmabodh is a computer literacy program specially organized for the women and senior citizens. This was 27th edition of Aatmabodh.
- Date: 1st September 2019 to 12th September 2019
- Participants:250



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In association with

Dept. of Information Technology
VIT, Pune

DRUPAL INDIA
association

http://camp2019.drupalpune.com
@drupalcampnpune

DRUPAL CAMP PUNE

WELCOME TO

DrupalCamp Pune 2019

Dept. of Information Technology, VIT, Pune

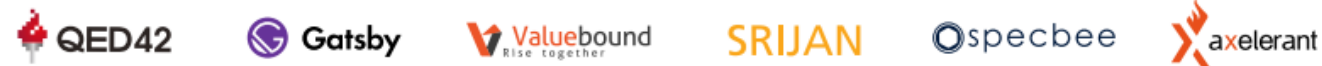
14th & 15th SEPTEMBER

#DCP19



Following topics were covered

- how drupal contributions improve your career ?
- Understanding Code Complexity and using Static Analysis to measure it
- **Workshop:** Acquia Certification Study - Quantitative Approach
- **Workshop:** Drupal in a day



Department of Information Technology and MCA
Invite to attend

Expert Talk on

“Industry Vs Research”

BY
Eminent Personality (VIT Alumni)

Dr. Tushar Athawale

Research Scientist ,
Postdoctoral Fellow at University of Utah, Salt Lake City, Utah

Date: 28/11/2019
Venue: Seminar Hall
Time: 3 pm

Coordinator
Prof. (Dr.) P. P. Ghadekar
Prof. D. R. Deshpande



Goal Setting Education and Life Skills

The objectives of this session is to help you to -

1. Understand importance of goal in one's life,
2. Set career and life goals at the early age,
3. Understand the relation between education and life.
4. Develop better emotional quotient.
5. Become more independent and have a strong character.
6. Take initiative, think out of the box, and be a lifelong learner.
7. Become a better citizen.

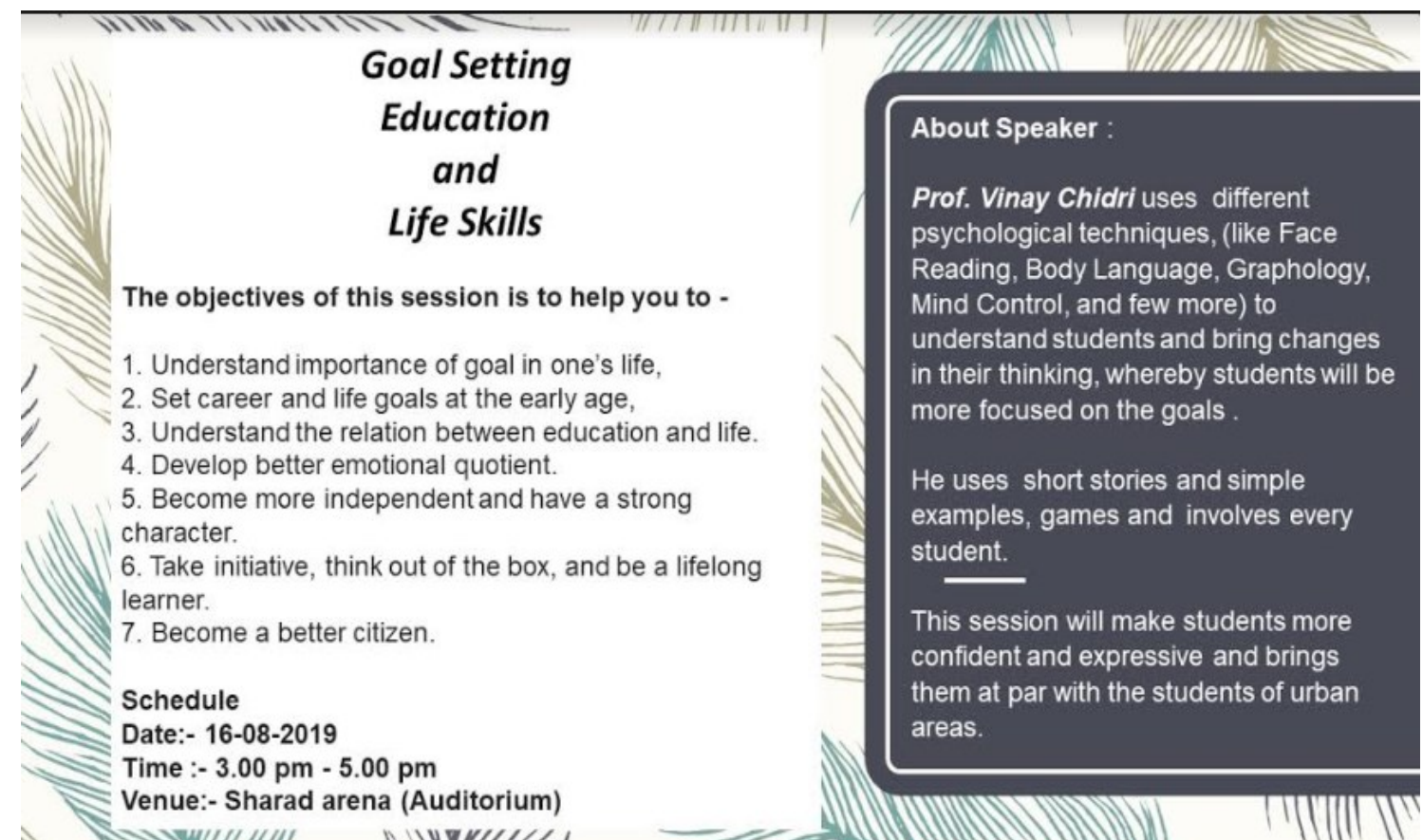
Schedule
Date:- 16-08-2019
Time :- 3.00 pm - 5.00 pm
Venue:- Sharad arena (Auditorium)

About Speaker :

Prof. Vinay Chidri uses different psychological techniques, (like Face Reading, Body Language, Graphology, Mind Control, and few more) to understand students and bring changes in their thinking, whereby students will be more focused on the goals .

He uses short stories and simple examples, games and involves every student.

This session will make students more confident and expressive and brings them at par with the students of urban areas.



“GUEST LECTURES”



Bansilal Ramnath Agarwal Charitable Trust's
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DEPARTMENT OF INFORMATION TECHNOLOGY



 Department of Information Technology and MCA
Invite to attend
Expert Talk on
“Industry Vs Research”
BY
Eminent Personality (VIT Alumni)
Dr. Tushar Athawale
Research Scientist ,
Postdoctoral Fellow at University of Utah, Salt Lake City, Utah

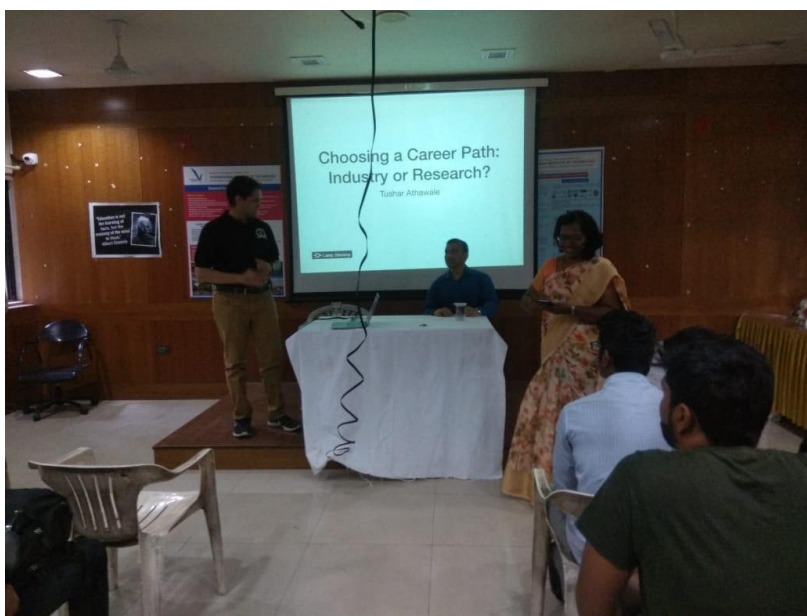
 

Date: 28/11/2019
Venue: Seminar Hall
Time: 3 pm

Coordinator
Prof. (Dr.) P. P. Ghadekar
Prof. D. R. Deshpande

Objectives:-

1. To understand the current scenario of industries and its requirements
2. To know the current opportunities in research area.
3. To have awareness about role of researchers and industry experts



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Guest Lecture on “Big Data Analytics” by Mr. Suraj Bhala, Software Engineer, Avaya

Date: 22/8/2019

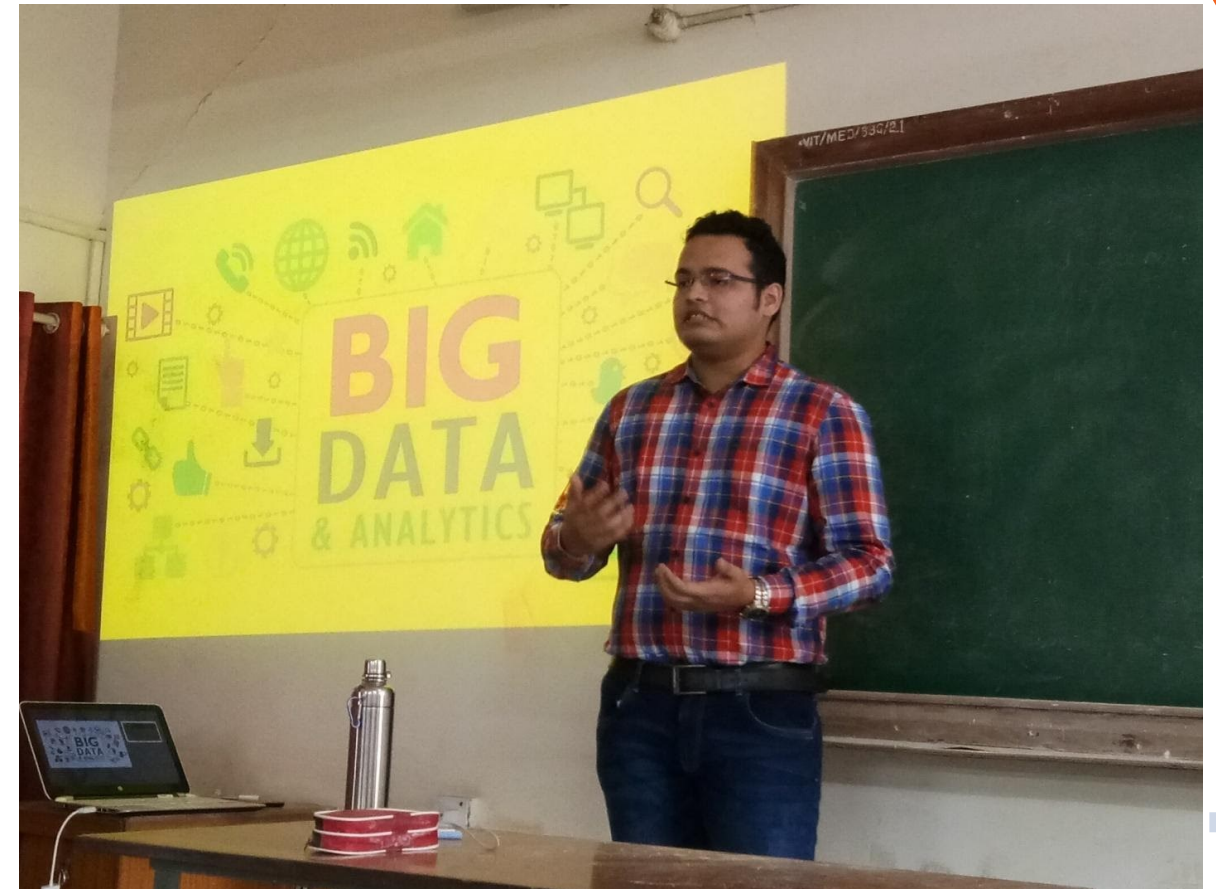
Topics covered:

Big data, Big data applications, Big Data analytics, Hadoop, Hadoop technologies,
case studies: Titanic, Amazon, Netflix, Starbucks, Useful platforms for students: Kaggle,
Google Colab, Github, Techgig, LinkedIn etc, Guidance for course projects

Co-ordinators:

Dr. P. A. Bailke,

Prof. A. R. Sawant



Guest Lecture on “Bootstrap”

by Mr. Satyajeeet Rathod

Date: 14/10/2019

Topics covered:

- Introduction
- Where to Get Bootstrap?
- Download Bootstrap from getbootstrap.com
- Include Bootstrap from a CDN
- Bootstrap Grid System
- Bootstrap Forms
- Demo

Coordinator:

Prof. A. R. Sawant



One Week Faculty Development Program

“Cyber Security”

Under the scheme

Pandit Madan Mohan Malaviya

National Mission on Teachers and Teaching

Dates: 16/9/2019 to 21/09/2019

Expert Speakers:- Pradnya Pophalikal, Seema Dixit

Convener:-Prof. (Dr.) P. P. Ghadekar

Coordinators:-Prof. S P Dongre and Prof. D R Deshpande

Members:- Mrs. Ranjana Jadhav, Mr. Rahul Diwate, Mr. Vinay Thamke, Mrs. Varsha Dange

Objectives:-

1. Build a highly dynamic security awareness program that engages the workforce in a positive manner
 2. Identify and manage our human risk to an acceptable level in Cyber Security
- Understanding how to implement encryption on your data using cryptography technique, implementing browser based security for your safe internet experience, understanding Indian cyber laws
 - Data Security such as Pendrive password



Demonstration on:

1. Vulnerability Assessment
 2. Exploitation & Post-Exploitation
 3. Client Side Attacks & Clearing Tracks
 4. Installation of MSBA software
- **Hands-on:** Angry IP Scanner, Smart-Whois, Samspace, Path Analyzer Pro, Website Footprinting

Training session on “Machine Learning and Deep Learning on GPU using MATLAB”

Dates: 29/11/2019

Expert Speaker:- Mr. Pawan Fakatkar , Mathworks

Faculty Coordinator: Prof. S.P. Dongre

Objectives:-

- Understanding execution of MATLAB functions on GPU.
- To explore the use of machine and deep learning libraries and its execution on different GPUs.

Highlights of Session:

- a. Interfacing of MATLAB with Jetson kit.
- b. CUDA code generation from MATLAB function.
- c. Machine learning example code execution.
- d. MATLAB functions available for machine and deep learning.
- e. Opportunities for application development using MATLAB.



“WORKSHOPS/SEMINARS ORGANIZED”



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Bansilal Ramnath Agarwal Charitable Trust's
Vishwakarma Institute Of Technology

Session On
Intellectual Property Rights

By
Dr. Sunita Dhotre
Department of Science and Technology
Govt of India
Women Scientist C Scholar

Convener
Prof. (Dr.) P. P. Ghadekar
Coordinator
Mr. Vinay Thamke

Venue / Discussion
Conference Hall
on 23rd Oct 2019 at 3 PM



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“PAPER PUBLICATIONS”



DEPARTMENT OF INFORMATION TECHNOLOGY

Sr.No.	Title	Authors Name	Name of Journal/Conference	Date
1	Secure Access Control to IoT Devices using Blockchain	Premanand P Ghadekar,, Niket Dhoke, Sushmita Kaneri, Varsha Zha	International Journal of Recent Technology and Engineering (IJRTE)	July 2019
2	Acceleration of Browsing by combining Ethernet and WiFi Networks	Dr. Premanand Ghadekar, Esha Potnis	ICCUBEA 2019	September 2019
3	Image-Based Product Recommendations Using Market Basket Analysis	Dr. Premanand Ghadekar, Anay Dombe	ICCUBEA 2019	September 2019
4	Smart Sound System for restricted zones	Ranjana Jadhav, Rahul Dhotre	ICMLIP 2019	December 2019
5	Automatic Diagnosis of attention deficit/Hyperactivity Disorder	Ranjana Jadhav Deepali Joshi, Sushmita Kaneri	ICMLIP 2019	December 2019
6	New Data Structure for relational Database using tree	Ranjana Jadhav, Dr. P. S. Dhabe	ICMLIP 2019	December 2019
7	An Efficient Heart Disease Prediction System using Machine Learning	Debabrata Swain, , Preeti Ballal	ICMLIP 2019	December 2019



“PAPER PUBLICATIONS”



DEPARTMENT OF INFORMATION TECHNOLOGY

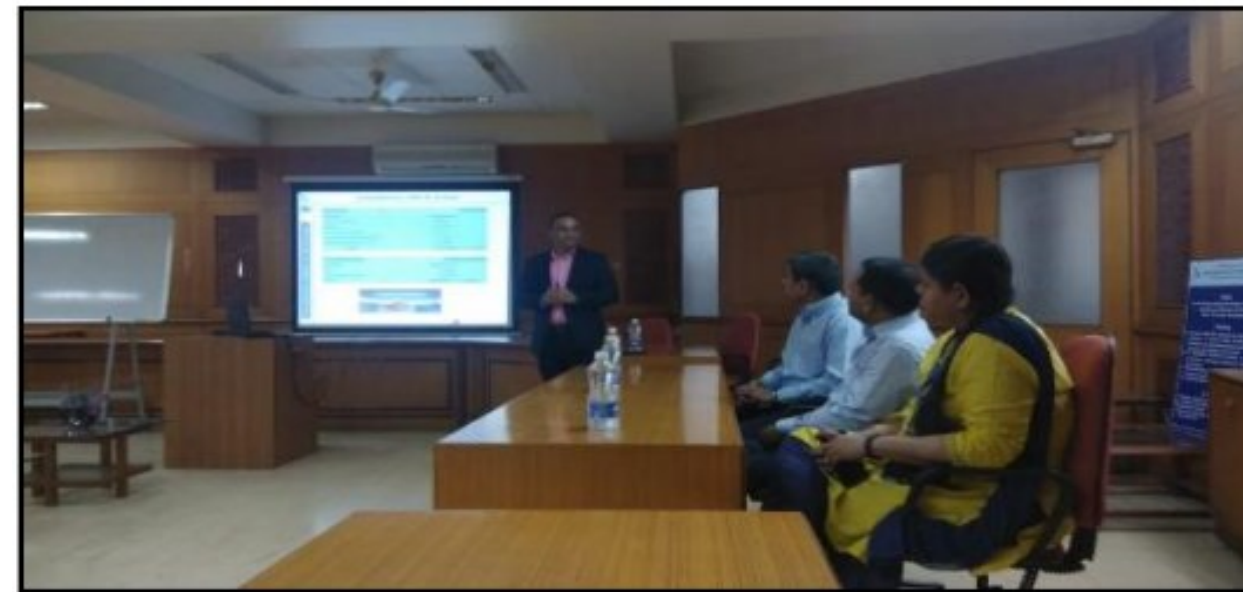
Sr.No.	Title	Authors Name	Name of Journal/Conference	Date
8	Predicting the outcome of H-1B Visa application	Debabrata Swain, Anay Dombe	ICMLIP 2019	December 2019
9	Enhancing Multi-Level Cache Performance using Dynamic R-F characteristics	Debabrata Swain, Akshay Motwani, Puran Singh	ICMLIP 2019	December 2019
10	Handwritten Digit and Letter Recognition Using Hybrid DWT-DCT with KNN and SVM classifier	Premanand Ghadekar, Shubham Ingole, Dhruv Sonone	International Conference (ICCUBEA-2018)	August 2019
11	Song Recommendation System Using Hybrid approach	Deepali Joshi	ICCSA-2019	August 2019
12	Image-Based Product Recommendations Using Market Basket Analysis	Dr. Premanand Ghadekar, Anay Dombe	ICCUBEA 2019	September 2019



“MOU WITH INDUSTRIES”

DEPARTMENT OF INFORMATION TECHNOLOGY

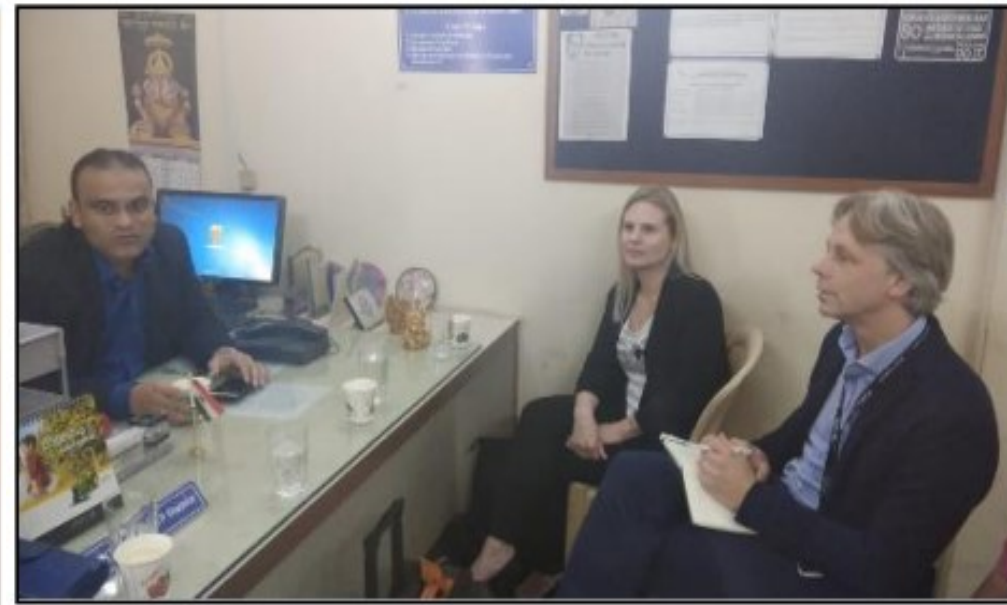
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“MOU WITH INDUSTRIES”

DEPARTMENT OF INFORMATION TECHNOLOGY

TomTom

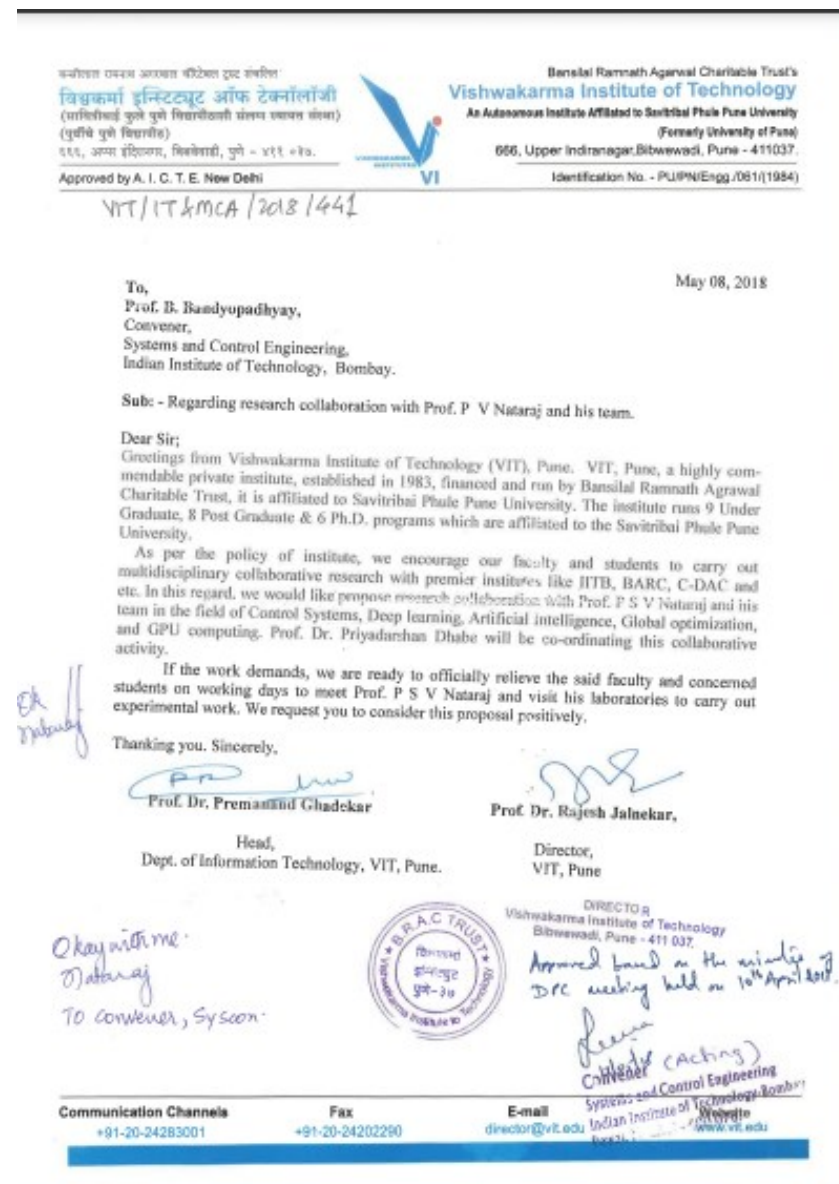




“MOU WITH INDUSTRIES”

**Research Collaboration with
Prof. P V Nataraj and his team from IIT Bombay**

OPEX AI Pvt. Ltd. Hyderabad





“MOU WITH INDUSTRIES”

DEPARTMENT OF INFORMATION TECHNOLOGY



JOHN DEERE





“MOU WITH INDUSTRIES”

DEPARTMENT OF INFORMATION TECHNOLOGY

Department has awarded as
**GPU research Center by NVIDIA and
“GPU Nodal Center” by GPU Center of excellence, IIT Bombay**

Team Leader : Prof P S Dhabe
Team – S P Dongre, U B Kodgule



GPU
RESEARCH
CENTER



“STUDENTS INTERNSHIP”



DEPARTMENT OF INFORMATION TECHNOLOGY

Sr.No.	Candidate Name	Company Name	Stipend (Rs)
1	NIKET DOKE	VMware	30000
2	VINAY CHELLWANI	VMware	30000
3	SHREEYA DESHPANDE	Nvidia	35000
4	ASHWINI PATIL	Nvidia	35000
5	PRANJALI KULKARNI	credit suisse	40000
6	HRISHIKESH GAIKWAD	Seagate	25000
7	ABHIJEET BHURE	EQ Technologic	20000
8	HARSHADA KUDE	Symantec	25000
9	ATHARVA POPHALE	Symantec	25000
10	NIKHIL AGRAWAL	Symantec	25000
11	HITESH SACHDEV	Symantec	25000
12	HARSHWARDHAN AJAY GOYAL	Symantec	25000
13	SAURABH MOHAN RUDRAWAR	Symantec	25000
14	VARSHA JHA	Symantec	25000
15	SHARYU DESHMUKH	Symantec	25000



“STUDENTS INTERNSHIP”



DEPARTMENT OF INFORMATION TECHNOLOGY

Sr.No.	Candidate Name	Company Name	Stipend (Rs)
16	ABHIJEET RAUT	TOMTOM	35000
17	DINESH HEBARE	icertis	15000
18	SHAUNAK JOSHI	Axogyan AI consultant	Travel+stay
19	RACHANA BHATADE	Laxmi Civil	8000
20	JANHAVI PATIL	John Deer	15000
21	AFFAN SHAIKH	Figolive Technologies	variable
22	ROHIT KALE	White Code Labs	50000
23	MOHIT LOKHANDE	Symantec	25000



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