HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI-591236

Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU Belagavi.
Accredited at 'A' Grade by NAAC
Programmes Accredited by NBA: ME,CSE,ECE & EEE

MECHANICAL ENGINEERING DEPARTMENT

Cordially welcomes you

ONE WEEK TRAINING PROGRAM ON FUNDAMENTALS OF ARDUINO, IOT & ROBOTICS PROGRAMMING

(An Initiative of Curriculum Enrichment through Industry Participation)

Multidisciplinary Approach

In association with

TECH FORTUNE
we stand for excellence

Tech Fortune academy, Bengaluru

STARTS ON

25TH MARCH 2021

Venues:
Mechanical seminar Hall
Computer Labs

To register follow link
https://forms.gle/Dss84ByMKK9KLSUY9

OR
Scan Here

Training Highlights

- Basics of Electronics.
- Concepts of Voltage & Current.
- Introduction to Sensors & working of Sensors.
- Introduction to Embedded Systems.
- Introduction to Microcontrollers & Microprocessors.
- Different types of Microcontrollers & Microprocessors.
- Basics of C & embedded C Programming.
- The Arduino Platform.
- The Arduino Open-Microcontroller Platform.
- Arduino Basics.
- Arduino Board Layout & Architecture.
- Arduino Programming fundamentals & Structure.
- Interfacing Sensors to Arduino.
- Reading Digital & Analog Sensors.
- Using Serial Communication.
- Activating Relays & switches.
- Introduction to IoT.
- Different IoT Platforms.
- Client Server basics.
- Local Host & Online Host.
- Introduction to NodeMCU.
- Interfacing Sensors and devices to NodeMCU
- Connecting to Local WiFi.
- Displaying Sensor values over Local Server.
- Introduction to Cloud Servers.
- Displaying Sensor Values over Cloud Servers.
- Mini Project.

Terms & Conditions

- Registration fee is Rs. 2000/- per student
- Certificate will be issued after completion of Training
- Arduino H/W kit will be provided for each group of 4 students
- Placement assistance will be provided after completion of Training

CONTACT US:

EVENT CO-ORDINATORS

PROF. B.M.DODAMANI@ 9945348448

PROF.M.S.FUTANE @9164105035

DR.S.N.TOPANNAVAR
HOD-MECH @ 9482440235

DR.S.C.KAMATE
PRINCIPAL

To register follow link

https://forms.gle/Dss84ByMKK9KLSUY9

OR
Scan Here

S J P N Trust's

Hirasugar Institute of Technology, Nidasoshi

Inculcating Values. Promoting Prosperity

Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi.

Accredited at 'A' Grade by NAAC

Programmes Accredited by NBA: CSE, ECE, EEE & ME.

TRAINING & PLACEMENT CELL

Notice/Circular

Date: 28/09/2020

Training

All the eligible, interested and willing to prepare for the requirement of the event in all respects are informed to Refer the following details of the event.

Eligible Branch/Class & %Age	BE (CSE, ECE, EEE & MECH) 2021 Batch
Company/Event Name & Nature	**Seventh sense Talent Solution**
Type of training:	Company Specific training for All MNC with current recruitment
Qualification:	B.E/B.Tech (Any All stream)
Placement offer to every students:	**50 ASSURED PLACEMENT OPPORTUNITIES TO EVERY STUDENT of EVERY BRANCH (Min Rs 3 LAKHS Package)**
Training Schedule:	29/09/2020 to 17/10/2020
Mode of Training:	Virtual Mode
For Attending Training visit site:	https://www.seventhsensetalent.com/

28/09/2020

TRAINING & PLACEMENT OFFICER
Hirasugar Institute of Technology
Nidasoshi- 591236, Dt.: Belgaum

Day	Date	Timings	Topics
Day 1	29/9/2020	10:00 AM to 12:00 PM	Probability
		2:00 PM to 4:00 PM	Tenses
Day 2	30/9/2020	10:00 AM to 12:00 PM	Para Jumbles
		2:00 PM to 4:00 PM	Cloze Passage
Day 3	10-01-20	10:00 AM to 12:00 PM	Technical
		2:00 PM to 4:00 PM	Logarithms+ Numbers
Day 4	10-03-20	10:00 AM to 12:00 PM	Geometry
		2:00 PM to 4:00 PM	Vocabulary+ Phrasal Verbs
Day 5	10-04-20	10:00 AM to 12:00 PM	Mensurations
		2:00 PM to 4:00 PM	Technical
Day 6	10-05-20	10:00 AM to 12:00 PM	Permutation Combination
		2:00 PM to 4:00 PM	Technical
Day 7	10-06-20	10:00 AM to 12:00 PM	Time and work
		2:00 PM to 4:00 PM	Technical
Day 8	10-07-20	10:00 AM to 12:00 PM	Sentence Correction
		2:00 PM to 4:00 PM	Technical
Day 9	10-08-20	10:00 AM to 12:00 PM	Progressions
		2:00 PM to 4:00 PM	Technical
Day 10	10-09-20	10:00 AM to 12:00 PM	Time Speed and Distance
		2:00 PM to 4:00 PM	Technical
Day 11	10-10-20	10:00 AM to 12:00 PM	Simple Interest
		2:00 PM to 4:00 PM	Technical
Day 12	10-11-20	10:00 AM to 12:00 PM	Compond Interest
		2:00 PM to 4:00 PM	Technical
Day 13	10-12-20	10:00 AM to 12:00 PM	Technical
		2:00 PM to 4:00 PM	Technical
Day 14	13/10/2020	10:00 AM to 12:00 PM	Equations
		2:00 PM to 4:00 PM	Technical
Day 15	14/10/2020	10:00 AM to 12:00 PM	Profit and Loss
		2:00 PM to 4:00 PM	Technical
Day 16	15/10/2020	10:00 AM to 12:00 PM	Percentages

Day 16	15/10/2020	2:00 PM to 4:00 PM	Technical
Day 17	16/10/2020	10:00 AM to 12:00 PM	Prepositions+ Vocabulary
		2:00 PM to 4:00 PM	Technical
Day 18	17/10/2020	10:00 AM to 12:00 PM	Forms of voice and Speech
		2:00 PM to 4:00 PM	Technical

		TP Cell
S J P N Trust's		**Training**
# Hirasugar Institute of Technology, Nidasoshi		VTU online Classes
Inculcating Values, Promoting Prosperity		
Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi.		
Accredited at 'A' Grade by NAAC		**2020-21**
Programmes Accredited by NBA: CSE, ECE, EEE & ME.		
TRAINING AND PLACEMENT CELL		

Notice/Circular

Date: 17/10/2020

Microsoft's AI Machine Learning Online Classes in Association with NASSCOM

All the eligible, interested and willing to prepare for the requirement of the event in all respects are informed to refer the following details of the event

Eligible Branch/Class & %age	BE (CSE, ECE, EEE & MECH)
Company/event name & Nature :	**Microsoft's AI Machine Learning Online Classes in Association with NASSCOM**
Registartion link:	**https://www.microsoft.com/en-in/campaign/microsoftAIforstudents/**
Details of course and Benfits:	Online classes will be deliveried through easy –to-consume modules including demos, hands on workshop and assignment at no cost to the students. **The classes will be conducted in Batches between 19th – 24th October 2020**
	Microsoft AI , Machine learning and data science expertise to students through a 3 part simulive learning series including demo and live Q & A at free of cost
	➢ Microsoft AI Classroom series is an initiative by Microsoft in association with NASSCOM FutureSkills® and supported by GitHub.
	➢ The AI Classroom series is divided into three modules of 2.5 hours each; and includes live demos, hands-on experiments, and post session assignments to enable students to check their knowledge.
	➢ Each module will have 2 hours of learning and 30 minutes of live Q & A session. These sessions are introduced by leading data scientists and AI influencers
	➢ Post the workshop completion, an assessment will be conducted and the students get 3 attempts to clear the assessment
	➢ The certificate will be a joint certificate offered by Microsoft and NASSCOM FutureSkills®
	➢ Exclusive Microsoft Official Course (MOC) material on AI with Azure lab access, $100 Free Azure credit*, including, 25+ Azure services and 14+ developer tools, GitHub Student Developer Pack* including $200k worth of tools and training, Certificate of Participation* for Microsoft AI Workshop, will be provided for registered students.

Opportunity will knock your door at any time. so your best preparation for the event will make 100% successful career and helps to reach TP Cell Goal very easily.

TRAINING & PLACEMENT OFFICER
Hirasugar Institute of Technology
Nidasoshi- 591236, Dt.: Belgaum

Visvesvaraya Technological University

"Jnana Sangama", Belagavi-590018 Karnataka

Centralised Placement Cell (CPC)

VTU Regional Office, RHCS Layout, Annapoorneshwari Nagar, Bangalore 560091
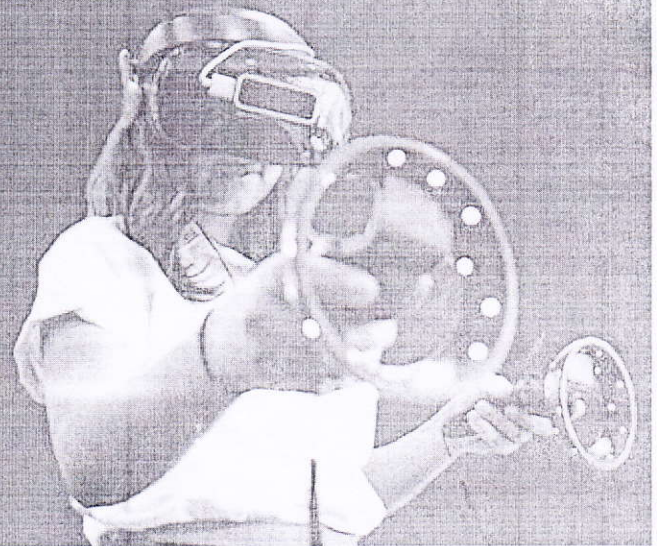Email: placement@vtu.ac.in, https://vtu.ac.in/en/vtu-placement/

Ref: VTU CPC/Training/01/2020-21   Date: 15-10-2020

VTU CPC Coordinate:

Microsoft AI Classroom Series
Learn. Lead. Transform.

Register now

Microsoft

in association with

NASSCOM | futureskills

supported by
GitHub

Microsoft has joined forces with NASSCOM FutureSkills® to deliver Microsoft's AI, machine learning and data science expertise to students through a 3-part simulive learning series including demos and live Q&A*

Upon successful completion of the course, you can download your Certificate of Participation**.

For more details please visit aka.ms/AI4Students

These online classes will be delivered through multiple
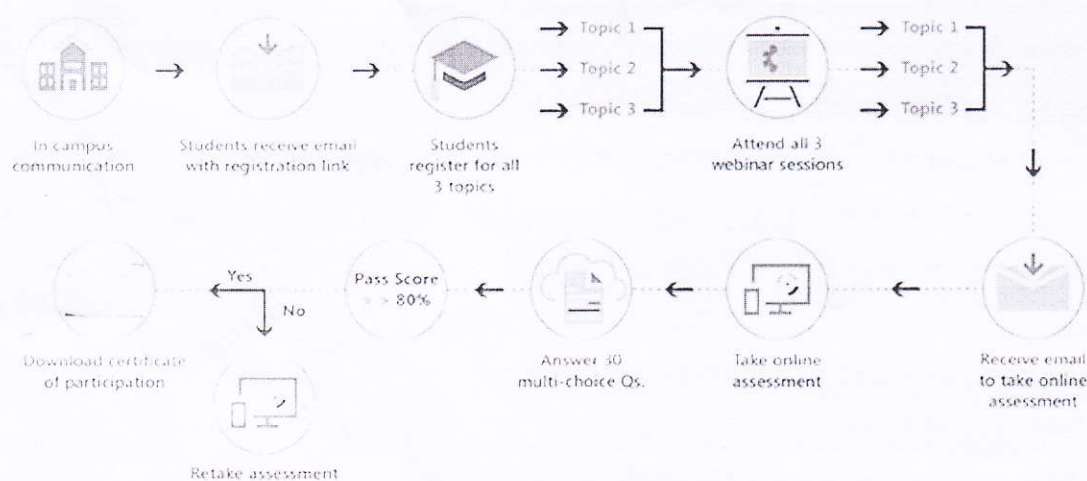
simulive sessions, at no cost to the students.

When:	Where:
19-24 October, 2020	Simulive virtual sessions. Register for all 3 modules and get skilled at your own pace, from where you are.

How it works.

In campus communication → Students receive email with registration link → Students register for all 3 topics → Topic 1 / Topic 2 / Topic 3 → Attend all 3 webinar sessions → Topic 1 / Topic 2 / Topic 3

Receive email to take online assessment → Take online assessment → Answer 30 multi-choice Qs. → Pass Score > 80% → Yes / No → Download certificate of participation

Retake assessment

Register now

*Q&A will be via live chat with the subject matter experts.
**Conditions apply

Please refer to the following.

- Microsoft AI Classroom series is an initiative by Microsoft in association with NASSCOM FutureSkills® and supported by GitHub.

- The AI Classroom series is divided into three modules of 2.5 hours each; and includes live demos, hands-on experiments, and post session assignments to enable students to check their knowledge.

	S J P N Trust's	TP Cell
	Hirasugar Institute of Technology, Nidasoshi	
	Inculcating Values, Promoting Prosperity	**Placement**
	Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi.	**VTU**
	Accredited at 'A' Grade by NAAC	**Placement**
	Programmes Accredited by NBA: CSE, ECE, EEE & ME	
	TRAINING & PLACEMENT CELL	2020-21

Notice/Circular

Date: 25/03/2021

VTU CPC CSR Drive

All the eligible, interested and willing to prepare for the requirement of the event in all respects are informed to register with HIT's Training & Placement Cell on or before **26/03/2021, 5.00 pm**. without fail. Refer the following details of the event.

Eligible Branch/ Class & %Age	BE (CSE/ECE/EEE/MECH) 2021 Batch
Company/Event Name & Nature	**KodNest, Bengaluru**
Hiring:	Free Training cum Recruitment drive
Kodnest- The Dream Factory	KodNest Under its project 2021 "The Dream Factory" is going to train, Nourish and groom VTU Students in skills such as Technical + Aptitude + Programming + Personality Development with Resume building for absolutely free 2 Hours per day Online Self pace for 45 days is the training roadmap
Academic Eligibility Criteria:	• Only 2021 batch Candidates • Graduation – B.E / B.Tech / M.E / M.Tech / MCA / BCA •* Stream- Any stream {Except Civil, Aeronautical & Chemical Engineering} Civil, Aeronautical & Chemical engineering students can join for free training but there is no placement assistance through KodNest
Benefits:	The big takeaway here is that the students who attend all the 45 days training sessions and maintain an attendance of 90% and test scores of 80% or above will also be eligible for 5-10 Placement Opportunity along with that Opportunity for full stack development training program for free and this fullstack training program comes with unlimited placement opportunities and we are going to select 300 students for this full-stack program if they meet our above expectations and clear our final face 2 face interview. There are rewards awarded to the students, the top 5 will get iPad along with free full stack development courses and placement opportunities till they get their job.
Registration Link (Last date to apply 28/03/2021):	https://forms.gle/of5pSZKhyreCdqXN6
Essential Requirements:	Corporate Etiquette (dress code). Interview executive folder should contain followings: • Institute ID card • Well prepared and updated Resume • Copies all marks cards & other personal documents of any other significant achievements.

Opportunity will knock your door at any time, so your best preparation for the event will make 100% successful career and helps to reach TP Cell Goal very easily.

TRAINING & PLACEMENT OFFICER
Hirasugar Institute of Technology
Nidasoshi- 591236, Dt.: Belgaum

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

VTU CPC

("ವಿ ಟಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)

Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the VTU Act, 1994)

Centralized Placement Cell(CPC)

Regional Office, RHCS Layout, Annapoorneshwari Nagar, Nagarabhavi, Bangalore-560091

Ref: CPC Drive – 20/2021　　　　　　　　　**Date: 24th March 2021**

Opening for

BE/B.Tech/ME/ M.Tech/MCA All Streams* 2021 PASSING OUT ONLY

VTU CPC
Campus 2 Career

Supports the* Free Training cum Recruitment drive Through

DRIVE 20

KodNest

Company Profile:

KodNest is a product based software company in the ED-TECH space offering various solutions to people it is an ISO 29990:2010 and ISO 9001:2015 certified company for its quality in informal education & Recognized by Govt of India. KodNest Technologies is a premier skill development company with its corporate office in Bangalore offering an entire range of services involved in the training, development and Employment.

KodNest is India's leading career Accelerator for job seekers and IT professionals with its training platform. We pioneer the initiative of filling the gap between the IT companies and Academic by training students with top trending technologies in the IT Industry. We are now a growing organization with over 2,00,000+ users on our platform.

We take pride in ourselves in providing a First of its kind and Unique Program only by KodNest, in India by setting up a program for Innovation & Excellence (I&E) for your University by taking all the final year students and providing them free training on Technical, Aptitude & Soft Skills and also ensure to provide them 5-10 placement drives if the student has a 90% attendance and 80% test scores in the complete 45 days training program consistently. Our client base is steadily growing with over 200+ as of now, more so is our commitment to remain the regional leaders in the fields of Training and Employment.

http://www.kodnest.com/

KODNEST- THE DREAM FACTORY

KodNest Under its project 2021 "The Dream Factory" is going to train, Nourish and groom VTU Students in skills such as Technical + Aptitude + Programming + Personality Development with Resume building for absolutely free 2 Hours per day Online Self pace for 45 days is the training roadmap

ACADEMIC ELIGIBILITY CRITERIA

• Only 2021 batch Candidates
• Graduation – B.E / B.Tech / M.E / M.Tech / MCA / BCA
•* Stream- Any stream {Except Civil, Aeronautical & Chemical Engineering}
Civil, Aeronautical & Chemical engineering students can join for free training but there is no placement assistance through KodNest

BENEFITS: The big takeaway here is that the students who attend all the 45 days training sessions and maintain an attendance of 90% and test scores of 80% or above will also be eligible for 5-10 Placement Opportunity along with that Opportunity for full stack development training program for free and this fullstack training program comes with unlimited placement opportunities and we are going to select 300 students for this full-stack program if they meet our above expectations and clear our final face 2 face interview. There are rewards awarded to the students, the top 5 will get iPad along with free full stack development courses and placement opportunities till they get their job.

Registration Link (Last date to apply 28/03/2021)

https://forms.gle/of5pSZKhyreCdqXN6

VTU CPC wishes all the candidates a prosperous career ahead.......

VTU CPC is only a platform to link the recruiter and the candidates. The candidates are advised to take maximum care in selecting the recruiter and terms & conditions of appointment. VTUCPC is not responsible for any lapses in the agreement between the candidate and their recruiter.

Dr. Binoy Mathew, Director, VTU's Centralized Placement Cell(CPC), Email: placement@vtu.ac.in, **https://vtu.ac.in/en/vtu-placement/**

	S J P N Trust's	TP Cell
	Hirasugar Institute of Technology, Nidasoshi	Training
	Inculcating Values, Promoting Prosperity	2021 & 2022
	Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi	Batch
	Accredited at 'A' Grade by NAAC	2020-21
	Programmes Accredited by NBA: CSE, ECE, EEE & ME	
	TRAINING & PLACEMENT CELL	

Notice/Circular

Date: 30/07/2021

VTU_Destination-Training Program

All the eligible, interested and willing to prepare for the requirement of the event in all respects are informed to Refer the following details of the event.

Eligible Branch/Class & %Age:	**BE (CSE/ECE/EEE & MECH) 2021 & 2022 Batch**
Company/Event Name & Nature :	VTU CPC Supports the '**Career and Placement Program**' 120+ Hours of **Free Employability Training with Placement Assistance In Association with Destination Technologies**
Free Training Link to Register and proceed for Training	**http://freecourse.destinationtechs.com/**
VTUCPC Registration Link (For further assistance students must register with the following link)	**https://forms.gle/5vRg13zv9gHaQAHDA**
Free Employability Training	A Course to Succeed in Interviews by Destination Technologies final year and pre-final year graduates. This course will help the graduates to prepare themselves for interviews and also help them to have a wider perspective towards their career and also Job Free Employability Training Company Profile: Ref: CPC Drive – 2021-22/ 03 Date: 29th July 2021 Supports the* 'Career and Placement Program' 120+ Hours of Free Employability Training with Placement Assistance In Association with Destination Technologies Opening for BE/B.Tech/ME/ M.Tech/MCA/M BA-All Branches Free Training for 2021 & 2022 Passing out DRIVE 03 search. We would like to bring into your notice that there are no commercial involved for this 120 hours of program and also we would support candidates with placement opportunities. Destination has started this initiative to support student community during this pandemic and to make students industry ready
Course Content	• Verb and tense • Tenses • Error Location • Sentence Improvement • Fillers • Cloze test • Reading comprehension • Rearrangement • Theme Detection • Vocabulary • Preposition • Percentages • Profit and loss • SI& CI • Ratio & Propositions • Mixture & Allegetaions • Ages • Number system • Partnership • Averages • LCM & HCF Time and Distance • • Directions • Sitting arrangements • Blood relations • Analytical puzzles • Coded inequalities • Input and output • Calendar's Boats and Streams • Areas & Volumes • Time and work • Number Series • Number analogy & odd number • Time sequence • Clocks C Language • Introduction to C language • Operators and Expressions • Decision making Statements • Looping statements • Functions • Recursion • Storage classes • Arrays • Strings • Pointers • Dynamic memory management • Structures • Unions • Circular Linked list • Stacks • Trees • Searching & Sorting and loads of C, Java and competitive programs with explanations.
Course Outcome	➢ Learn about Programming ➢ Work around Object Oriented Programming ➢ Write clean, well-commented Java code that's easy to maintain ➢ Aptitude sessions with shortcut tricks for quantitative, verbal and logical abilities to clear interview round ➢ Learn specific proven tricks and strategies to make sure you dominate the ➢ Interview hiring process Resume writing sessions to ensure you build ATS proof resumes to attract more ➢ interview calls
Benfits and more about Training:	**Students will also get a chance to attend 25 Generic Fresher's drives conducted by Destination Technologies absolutely for Free of Cost** Video link to get more information - https://youtu.be/vZPTSN6v1MQ

Nidasoshi-591 236, Taq: Hukkeri, Dist: Belagavi, Karnataka, India.
Phone: +91-8333-278887, Fax: 278886, Web: www.hsit.ac.in, E-mail: principal@hsit.ac.in

ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

VTU CPC

("ವಿ ಟಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)

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Centralized Placement Cell(CPC)

Regional Office, RHCS Layout, Annapoorneshwari Nagar, Nagarabhavi, Bangalore-560091

Ref: CPC Drive – 2021-22/ 03 | **Date: 29th July 2021**

Opening for

BE/B.Tech/ME/M.Tech/MCA/MBA-All Branches

Free Training for 2021 & 2022 Passing out

VTU CPC

Campus 2 Career

DRIVE 03

Supports the*
'Career and Placement Program'
120+ Hours of Free
Employability Training with
Placement Assistance
In Association with
Destination Technologies

DESTINATION
...mentoring the career

Company Profile:

Welcome to Destination! Destination is committed to imparting high - quality holistic education which will help the students to develop their skills in an innovative and healthy environment so that the students will thrive in today's competitive world and Incorporated in the year 2020, we're dedicated to giving you the very best of training and placements, with a focus on quality, customer service, and uniqueness. Destination is a one -stop solution for graduates looking for IT jobs. We design courses based on what exactly the industry needs and is looking for.
https://www.destinationtechs.com/

Free Employability Training

A Course to Succeed in Interviews by Destination Technologies final year and pre-final year graduates. This course will help the graduates to prepare themselves for interviews and also help them to have a wider perspective towards their career and also Job

search. We would like to bring into your notice that there are no commercial involved for this 120 hours of program and also we would support candidates with placement opportunities. Destination has started this initiative to support student community during this pandemic and to make students industry ready

Course Content

• Verb and tense • Tenses • Error Location • Sentence Improvement • Fillers • Cloze test • Reading comprehension • Rearrangement • Theme Detection • Vocabulary • Preposition • Percentages • Profit and loss • SI& CI • Ratio & Propositions • Mixture & Allegetaions • Ages • Number system • Partnership • Averages • LCM & HCF Time and Distance • • Directions • Sitting arrangements • Blood relations • Analytical puzzles • Coded inequalities • Input and output • Calendar's Boats and Streams • Areas & Volumes • Time and work • Number Series • Number analogy & odd number • Time sequence • Clocks C Language • Introduction to C language • Operators and Expressions • Decision making Statements • Looping statements • Functions • Recursion • Storage classes • Arrays • Strings • Pointers • Dynamic memory management • Structures • Unions • Circular Linked list • Stacks • Trees • Searching & Sorting and loads of C, Java and competitive programs with explanations.

Course Outcome

- Learn about Programming
- Work around Object Oriented Programming
- Write clean, well-commented Java code that's easy to maintain
- Aptitude sessions with shortcut tricks for quantitative, verbal and logical abilities to clear interview round
- Learn specific proven tricks and strategies to make sure you dominate the Interview hiring process
- Resume writing sessions to ensure you build ATS proof resumes to attract more interview calls

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Dr. Binoy Mathew, Director, VTU's Centralized Placement Cell(CPC), Email: placement@vtu.ac.in https://vtu.ac.in/en/vtu-placement/

	S J P N Trust's	TP Cell
	Hirasugar Institute of Technology, Nidasoshi	**Training**
	Inculcating Values, Promoting Prosperity	
	Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi.	**Paython**
	Accredited at 'A' Grade by NAAC	**Training**
	Programmes Accredited by NBA: CSE, ECE, EEE & ME.	
	TRAINING AND PLACEMENT CELL	**2020-21**

Notice/Circular

Date: 02/02/2021

FlyWeight PBPC (Product Building With Python Course)

All the eligible, interested and willing to prepare for the requirement of the event in all respects are informed to register with HIT's Training & Placement Cell on or before **03/02/2021, 5.00 pm**. without fail. Refer the following details of the event.

Eligible Branch/Class	BE (CSE, ECE, EEE) 2022 & 2023 Batch (BE 2nd Year & 3rd Year) Students
Course/event name & Nature:	**FlyWeight PBPC (Product Building With Python Course)**
Training Fee :	**Free Training Program**
Short summary of the program	FlyWeight PBPC (Product Building With Python Course) is aimed at stimulating real world product building skills and capacities in undergraduate students. For selected undergraduate students, FlyWeight offers permanent mentorship and leadership opportunities on exciting R&D work throughout their education. The program is offered absolutely free of monetary charges, but expects 2hrs 30mins of attendee everyday for 1.5 to 3 months.
Apply Link:	**https://forms.gle/zjQQhdSt6EuXCn6m6**
Course Duartaion:	**2hrs 30mins of attendee everyday for 1.5 to 3 months.** **Timing - Every day, 6 AM - 8 AM**
Contact Information:	<table><tr><th>Name</th><th>Bio</th></tr><tr><td>Shrijith</td><td>Software Engineering researcher at University of California, Irvine as a Masters degree pursuant In the past, I've been: Technical lead at K12 techno services DevOps Engineer at Endurance International/Directi</td></tr><tr><td>Shreehari</td><td>Software Engineer* @YouGov Research Ltd. Senior Software Engineer @K12 Techno Services (Ed tech startup) Software Development Analyst @Dell EMC</td></tr><tr><td>Varun</td><td>Associate at TheMathCompany In the past, I've been: Application developer at Oracle</td></tr><tr><td>Ravikiran</td><td>SDE @ ZopSmart Technologies Bangalore (e grocery platform)</td></tr></table>
Syllabus & Contact enclosed in this document:	https://docs.google.com/document/d/1EA26MJR_U3El-eyfHESE8_LzQoWtvVNbzMNj4309YiU/edit?usp=sharing

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S J P N Trust's

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TRAINING AND PLACEMENT CELL

| TP Cell |
| Training |
| Paython Training |
| 2020-21 |

Slightly longer summary of the program	Mini course timeline

Slightly longer summary of the program

The course consists of the following components:

1. 1.5 months of focused & intense mini course on **Python** programming, **HTML**, **CSS**, and **Javascript** Programming. Moreover, we will introduce students to the **Django** framework. FlyWeight mentors will actively guide and help students in the learning process.

2. We will select **upto 12 people** for the next round based on judgements on enthusiasm, progress, etc.

3. For the next 1.5 months, the selected students will be formed into **groups of 3** and each group will be **paired up with a FlyWeight mentor.** Each mentor will share a real world product plan & action plan to achieve this with the group. In the given period each group will iteratively build the aforementioned product, giving the students real world experience in product building activities.

   All the students in the second round can continue working with the FlyWeight group, building products or researching if they wish to do so. Each of these students will be given a permanent mentorship and we want to build future leadership for FlyWeight with interested students.

Detailed Mini Course Material

Python Programming and Django.

- **Goal:** Being able to write django backends for web applications, including database handling using django models, writing apis, creating templates.

Python [docs] - [book]

Functions and Variables- Exercise 18-21 [book]

Conditions and Looping - Exercises 29-33 [book]

Using various data structures and understanding their properties [Tuple, List, Dict, Set] -

https://python.swaroopch.com/data_structures.html

String manipulations.- String Manipulation in Python , Cheat sheet: Python Strings Cheat Sheet

Python classes (oops) - Exercise 40 [book]

　ing jupyter notebook python interpreter - https://jupyter.org/

Django -

https://docs.djangoproject.com/en/3.1/intro/tutorial01/

Urls, Views, Django basic templating. - URL dispatcher, Writing views, Templates

Models - Models Querying, Searching, Sorting.- Making queries, Search, QuerySet API reference

Serializing and deserializing –

- HTML/CSS Goal: Given a mockup or a wireframe, students should be able to come up with the HTML + CSS structure for the same

  HTML - Learn to structure of the page, along with main tags as below, Introduction to HTML, HTML Basic Examples, HTML Attributes, HTML Headings, HTML Images, HTML Forms

- Exercise: Search for the web page you like the most. View the source and discover new tags from the page

- Using CSS with HTML - Should be able to style the elements using CSS, HTML Styles CSS, HTML - The id attribute, HTML Classes - The Class Attribute, HTML Layout Elements and Techniques, HTML Responsive Web Design

- Style Guide - Gives guidelines to be followed for writing consistent, clean and tidy HTML code, HTML Styles CSS

Mini course timeline

Part 1: Learning the basics (1.5 months)
During the first 1.5 months, while learning the basics of web application building, students are expected to work on 6 nano projects distributed over 6 weeks. A "polling" web application achieved through 6 incremental nano projects

- **Mockups of the target app can be found** here
- **Weekly goal summary:**
- **Week 1:** Get a conversion of mockup into html + css
- **Week 2:** Functions and loop related project.
- **Week 3:** Prepare a csv/json of polls data - do analysis on the data - top voted question, top voted questions tagged with <something>, get list of questions that have <keyword> etc
- **Week 4:** Django tutorial sample application working, with tags in backend (2-3 days). Get API 1 working end-to-end with jQuery + django backend with JSON as the exchange format. (3-4 days)
- **Week 5:** Go deeper into jQuery + backend, more APIs
- **Week 6:** Finish off APIs & final touches, push to github, create website (if possible)

Part 2: Advanced product building for the selected (1.5 months)
During the second 1.5 months, selected individuals will be put in Flyweight teams and work with mentors closely to build software products.

Project Summary List

- **Being in the zone**: Track users' mental state while an individual is completely immersed in a certain activity. Reports on the individual and groups' over all mental states. Push the teams to use the time in a more effective manner
- **BeatP** : being able to track user's goals, tasks activity and beat procrastination
- **Keymetrica**: Track user keystrokes while setting ambitious writing goals. Detailed reports for analysing recorded data, and reminders to stay on track for achieving writing goals
- **Javascript + jQuery**
- Goal: Given a static page & backend API, be able to develop page interaction, data fetching & page modification. More context at JavaScript Introduction, What specific things should the student be able to do in Javascript & jQuery? Use CSS selectors to pick parts of the page - Examples of jQuery Selectors, CSS Diner - Where we feast on CSS Selectors!
- Handle UI events such as clicks, hover, scrolls in JS- JavaScript Events, Make AJAX calls to the server side- jQuery AJAX Introduction, Modify content/views on the page- jQuery Get Content and Attributes

Using the terminal- Refer to the appendix in Learn Python The Hard Way 3

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TRAINING & PLACEMENT OFFICER
Hirasugar Institute of Technology
Nidasoshi- 591236, Dt.: Belgaum

Nidasoshi-591 236, Taq: Hukkeri, Dist: Belagavi, Karnataka, India.
Phone: +91 8333 278887, Fax: 278886, Web: www.hsit.ac.in, E-mail: principal@hsit.ac.in