



॥ न हि ज्ञानेन सदृशं पवित्रमिह विद्यते ॥  
Dr. Vithalrao Vikhe Patil Foundation's  
**Dr. Vithalrao Vikhe Patil**  
**College of Engineering Ahmednagar**



**Date: 02/10/2023**

**Notice**

**All the S.E, T.E, B.E. students are hereby informed that Training & Placement cell of Electronics and Telecommunication Engineering Department is arranging Webinar (Online Mode ) on “Job opportunities in VLSI/ Semiconductor Domain ”conducted by Takshila VLSI Technology, Bangaloreon Friday 4 /10/202 at 06:30 pm.**

**All the students should present for Webinar**

**This is for strict compliance.**

**Prof. A.R. Landge**

**T&P cellIn charge**

**Dr. Anita K. Patil**

**H O D**



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**Dr. Vithalrao Vikhe Patil Foundation's**  
**Dr. Vithalrao Vikhe Patil College of Engineering**

Affiliated to SPPU, Pune (ID. No. PU/AN/Engg./027/(1983)  
Recognized by AICTE, New Delhi & Government of Maharashtra  
Accredited by NAAC with A+ Grade (3.34 CGPA) & NBA, New Delhi



Ref.No. CEA/E&TC/2023/2812

Date:-29/09/2023

To,  
Mr. Manoj,  
Physical Design Engineer,  
Takshila VLSI Technology,  
Bangalore,.

Subject: Request for conducting Expert lecture "Job opportunities in VLSI/  
Semiconductor Domain" on 04th October 2023.

Dear Sir,

It gives us immense pleasure to state that the Training & Placement cell of  
Department of Electronics & Telecommunication Engineering of our institute  
organizes a webinar for students.

As per discussion with Prof. A.R.Landge, Assistant Professor, Department of  
Electronics & Telecommunication Engineering, We would like to invite you to  
conduct a Webinar on topic "job opportunities in VLSI /Semiconductor Domain" on  
04th October 2023 .


Kindly accept our invitation to deliver lecture and give your consent.

Thanking you.



Yours sincerely,

  
(Dr. Uday P. Naik)

Principal  
College of Engineering  
Ahmednagar  
  
DR. VITHALRAO VIKHE PATIL  
COLLEGE OF ENGINEERING,  
AHMEDNAGAR

www.enggnagar.com

principal@enggnagar.com

0241-2777296 / 2779496 / 9356164515


Vilad Ghat, Vadgaon Gupta, PO MIDC, Ahmednagar(MS) India - 414 111




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### Report of Webinar

Topic	Job opportunities in VLSI/ Semiconductor Domain
Date:	4 <sup>th</sup> October 2023
Speaker	Mr. Manoj, Physical Design Engineer, Takshila VLSI Technology, Bangalore
Industry:	Takshila VLSI Technology
Time	6.30 p.m – 8.00 p.m
No. of Participants	134
Venue	E&TC Department
Event In charge	Prof. A.R. Landge

  
Prof. A.R. Landge  
Event In charge

  
Dr. Anita K. Patil  
H O D

### Course Outcomes

Co1: Students will get the knowledge about essential skills required for working in VLSI industry

Co2: Student will be able to learn in practical aspects of VLSI design

### CO-PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO1									2	2	2	
CO2									2	2		

### CO-PSO Mapping

CO	PSO1	PSO2	PSO3
CO1			1
CO2		1	

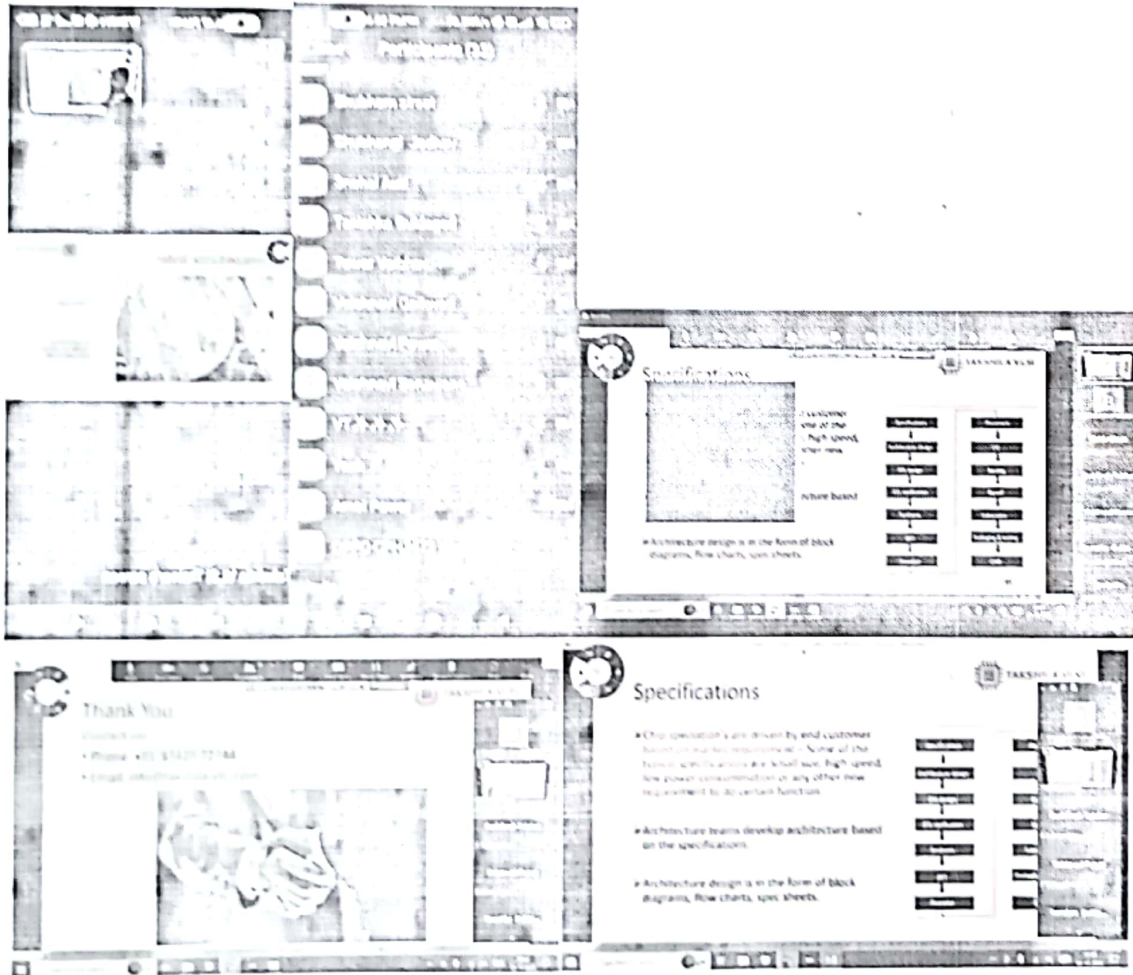


## **Job opportunities in VLSI/ Semiconductor Domain**

### **Contents:**

- Basics of CMOS
- MOSFET Operation, stick diagram, IC fabrication process
- Basic understanding of transition/slew, capacitance, leakage power, internal power, On-Chip-Variation (derate, AOCV, LVF)
- Library file difference NLDM, CCS, ECSM, LVF
- Timing concepts understanding like setup, hold, recovery, removal, pulse\_width, clock gating check
- PLL jitter understanding and uncertainty calculations
- IO budgetting
- Different Timing Modes understanding
- ECO generation
- Floorplaning concepts and IO placement
- Power planning
- Placement strategies like region, fence, blockages, padding, bump, dont touch, filler gap
- DRV optimization, Buffer tree synthesis
- Clock tree synthesis and clock latency calculations
- Routing design and optimization
- Antenna
- ECO Timing closure and implementation cycle
- Design Rule Checks understanding and importance
- Layout Versus Schematic and difference with respect to LEC
- Electrical Rule Checks
- IR Drop analysis - Static and Dynamic

## Photographs :





॥ व वि शानेन मृतं पवित्रमिदं विदुः ॥  
Dr. Vitthalrao Vikhe Patil Foundation's  
**Dr. Vitthalrao Vikhe Patil**  
**College of Engineering Ahmednagar**



DTE College Code: LH 5161

**Feedback Form**

**Date:** 04/10/2023

**Topic of Expert Lecture:** Webinar on "Job opportunities in VLSI/ Semiconductor Domain"

**Name of Expert:** Mr. Manoj, Physical Design Engineer, Takshila VLSI Technology, Bangalore

Q.1 How would you rate the topic of Webinar?

Average ☐ Good ☐ Excellent ☐ Outstanding ☒

Q.2 How was the level of content?

Average ☐ Good ☐ Excellent ☒ Outstanding ☐

Q.3 How would you rate the knowledge of Resource person?

Average ☐ Good ☐ Excellent ☐ Outstanding ☒

Q.4 How did you like the subject material?

Average ☐ Good ☐ Excellent ☒ Outstanding ☐

Q.5 Will lecture be useful for your studies?

Average ☐ Good ☐ Excellent ☒ Outstanding ☐

Q.6 How did you rate the lecture overall?

Average ☐ Good ☐ Excellent ☐ Outstanding ☒

Q.7 Remark

*more such events should be encouraged*

Q.8 Suggestions if any?

*frequency of events should be more*

*Dr. Rajesh Kumar*





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Ref.No. CEA/E&TC/2023/ 2901

Date:-05/10/2023

### LETTER OF THANKS

Dear Sir,

On behalf of Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar, we take this opportunity to extend our heartfelt gratitude & huge "Thank you" for delivering webinar on "Personality Development and getting job ready" for Electronics & Telecommunication Engineering students on 04/10/2023 at 6:30 pm.

Let us maintain and cherish these relations for mutual benefit hence and forever.

We shall remain obliged for sparing valuable time with us.

  
(Dr. Ms.A.K.Patil)

HOD, E&TC

  
(Dr. Uday P. Naik)

Principal  
Principal  
College of Engineering  
Ahmednagar

To,  
Mr. Manoj,  
Physical Design Engineer,  
Takshila VLSI Technology ,  
Bangalore,



DR. VITHALRAO VIKHE PATIL  
COLLEGE OF ENGINEERING,  
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Sudarshan Diwate &lt;tpo@enggnagar.com&gt;

**Request to conduct Java Language training Program in college campus from 7th August to 11th August 2023 for TE / BE ( CSD / E & TC Dept. ) 2024 / 2025 Batch Passing out batch at Dr. Vithalrao Vikhe Patil College of Engineering , Ahmednagar**

1 message

Sudarshan Diwate &lt;tpo@enggnagar.com&gt;

Fri, Jul 21, 2023 at 12:47 PM

To: rahulr@gttconnect.com

Cc: nehau@gttfoundation.org

Dear sir ,

**Greetings from Training & Placement Cell of Dr. Vithalrao Vikhe Patil College of Engineering , Ahmednagar**

Thanks for providing free training opportunity to students under CSR activity, please find below details for further Process of Training Program.

Soon i will share Students details through Google form

1. Date of Training : **7<sup>th</sup> August to 11<sup>th</sup> August 2023 at College Campus**
2. Hours : 10 am to 5 pm considering ( Lunch / Tea Break )
3. No.Students : BE CSD – 45 , TE E & C – 25 , BE E & TC -20

**Total – 90**

4. Course : **UG Engineering**
5. Pursuing Year : **2024 / 2025 Passout batch**
6. Mode of Delivery : Offline Mode
7. SPOC : Mr. Sudarshan Diwate , Training & Placement officer,  
Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar  
Official Contact No: 8554990213  
Personal Contact Number: 9860708052  
Email id : [tpo@enggnagar.com](mailto:tpo@enggnagar.com)
8. College Adress : Dr. Vithalrao Vikhe Patil College of Engineering, Post MIDC, Vadgaon Gupta (Vilad Ghat) Ahmednagar – 414111

**Thanks & Regards,****Mr. Sudarshan Diwate ,****Training & Placement officer,****Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar****College Website: <http://enggnagar.com/>****Official Contact No: 8554990213****Personal Contact No : 9860708052**



Sudarshan Diwate &lt;tpo@enggnagar.com&gt;

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**Appreciation Letter of Free Hands on Training on "JAVA programming" is organized in Association with Global Talent Track , Pune conducted during 11th August to 14th august 2023 at College Campus for TE / BE E & TC and TE CSD 2024 /2025 Batch Passing out students**

1 message

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**Sudarshan Diwate** <tpo@enggnagar.com>

Mon, Aug 21, 2023 at 3:42 PM

To: onkarholkar19@gmail.com

Cc: Rahull Rai &lt;rahulr@gttconnect.com&gt;

Dear Mr.Onkar Prakash Holkar ,

Greetings from training & Placement cell of Dr .Vithalrao Vikhe Patil College of Engineering , Ahmednagar

Please find attached soft copy of appreciation letter for Free Hands on Training on "JAVA programming" is organized in Association with Global Talent Track , Pune conducted during 11th August to 14th august 2023 at College Campus for TE / BE E & TC and TE CSD 2024 /2025 Batch Passing out students

Thanks & Regards,

**Mr. Sudarshan Diwate ,**

Training & Placement officer,

Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar

College Website: <http://enggnagar.com/>

Official Contact No: 8554990213

Personal Contact No : 9860708052

**Mr Onkar Prakash Holkar Java Trainer.PDF**

706K

Ref. No : CEA/T&P/3023/ 2173

Date : 21/08/2023

To ,  
Mr.Onkar Prakash Holkar,  
Java Trainer ,  
Kharadi ,Pune

**Subject: Letter of Appreciation**

Dear Sir ,

Thank you very much for conduction of Free Hands on Training on "JAVA programming" is organized in Association with Global Talent Track , Pune Scheduled during 11<sup>th</sup> August to 14<sup>th</sup> august 2023 at College Campus for TE/BE E& TC and TE CSD 2024 /2025 Batch Passing out students

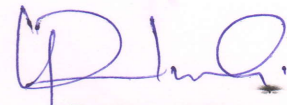
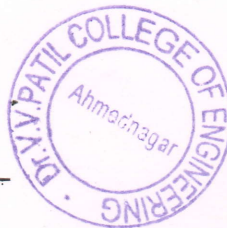
Thank you very much for conducting nice & informative session and thought provoking session for our students. All the students appreciated and benefited from your views on the subject .Looking forward for your cooperation for promotion of professional education in future as well.

**In Java training you have covered below Topics:**

- Day 1: Introduction to Java Programming
- Day 2: Java Fundamentals and OOP Basics
- Day 3: Object-Oriented Programming (Continued) and Exception Handling
- Day 4: Java Collections and File I/O

Thanking you ,

Yours faithfully ,



Dr. Uday P. Naik

Principal  
PRINCIPAL  
Dr. Vithalrao Vikhe Patil  
College of Engineering  
Ahmednagar

Name : Onkar Prakash Holkar  
Address : Flat No. 103, Arun PG, In front of Prakash Sweets, Near Sangharsh  
Chowk, Chandan Nagar, Kharadi – 411014, Pune, Maharashtra, India.  
Contact No. : 7057677873  
Email ID : [onkarholkar19@gmail.com](mailto:onkarholkar19@gmail.com)

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### **Objective**

To work in a challenging environment which provides me opportunities to put to practical use, the technical & interpersonal skills I have acquired throughout my educational journey & contribute towards the growth of the organization for which I work.

### **Work Experience**

#### 1) **Freelancing** - (January 2019 – Current)

- **Software Testing (Manual + Automation)** - 3 Projects done (Finance domain application) from **Jan 2019 to Nov 2020**. Did **Performance** Testing, **Regression** Testing, **Database** Testing, **Usability** Testing. Expertise in analysing business specification documents, Defect Tracking and Bug Reporting Tool **JIRA**.
- **Front End Development** – 4 Projects done (JavaScript Music Player, A Dynamic Landing Page, Cosmetic of Weather App, Banking UI) from **Aug 2019 to Nov 2021**.
- **Back End Development** – 7 Projects done (Business Logic + Database) from **Feb 2020 to Current**. Expertise in designing the Technical Design Document (**TDD**).

#### 2) **Technical Trainer** – (January 2020 - Current)

- **Personality Development (Soft Skills)** – **Trainer** – (Jan 2020 to Current)
- **IT Induction Training** – **Technical Trainer** – C, C++, CSS, HTML, JavaScript, JAVA, Python, PHP, SQL, MongoDB, Apex, VisualForce, JIRA, Bootstrap.  
(Aug 2020 to July 2021)
- **SV Digital India** – **Technical Executive** – Full Stack Development, Software Testing, Salesforce.  
(July 2021 to Current)
- **GTT F** – **Trainer** – DSA, C, C++, JAVA, Python, Aptitude. – (May 2022 to Current)

### **Key Skills**

- Good Knowledge of **Java (Core + Advanced)**.
- Expertise on **SDLC, STLC, DLC & OOP's** concepts.
- Knowledge on various SDLC Models, Test levels and Test types, Defect Reporting and Defect Life Cycle.
- Ability to create Test scenarios, Test cases and Test data.
- Knowledge on at understanding and Analysing Test **requirements**.
- Have the judgment skills to assess high risk areas of an application on which to focus testing efforts when time is limited.
- Good experience on Collection framework, DSA, Arrays and String Class in **JAVA**.
- Good interpersonal and communication skills with strong verbal, written communication and relationship management skills.
- Good analytical, problem solving and presentation skills with organizational abilities.



## **Technical Skills**

- Development, Test & Defect Management Tool : **JIRA** tool.
- Other Tools & Methodology : MySQL Workbench, Maven Build tools, Agile & DevOps.
- Programming Language : **C**, C++, CSS, HTML, JavaScript, PHP, Python, **Java**, **SQL**, **APEX**, **Visualforce**, **SOSL**, **SOQL**
- Other Skills : AutoCad, CATIA, Wheel Balancing & Wheel Alignment, GD&T.
- Documentation : MS Office, MS Excel, MS Word.
- Operating Systems : Windows 7,8,10.

## **Project undertaken during BE**

### **Project Title – Oxygen and Nitrogen concentrator**

**Objective** – The objective of this project is to separate the Oxygen and Nitrogen from the atmospheric air by using chemical component **Zeolite** and **Pressure Swing Adsorption** Technique for the achieving desired goals.

**Description** – Use this separated Oxygen and Nitrogen in Power Plant & Medical equipments and also use in Automobile component for following purpose.

- Power Plant Equipment – Reducing the emissions and for cooling purpose.
- Medical Equipment – Providing the high quality oxygen.
- Automobile Component – To reduce the size of Piston & Cylinder for the better efficiency, to increase the R.P.M. & Torque, to reduce the emissions from the exhaust and to increase the life of engine.

## **Co-Curricular & Extra-Curricular Activities**

- Best BE **Manufacturing Project** in MMCOE Mechanical Department.
- Participated in the **Wheel Balancing & Wheel Alignment** Competition & Workshop held at Mahindra & Mahindra National Tech-Fest 2018, Nashik, Maharashtra.
- **National level Silver** medal in **Drill** competition at **Jodhpur** in 2016,
- **State level Gold** medal in **Drill** competition & **Silver** medal in **Tent Pitching** competition at **Nagpur** in 2016,
- **District level Gold** medal in **Rifle Shooting** competition at **Pune** in 2017.
- Participated in **2 National level NCC** camp at Rajasthan in 2016 & Karnataka in 2017.
- Participated in **National level Chess** competition-2015 (Represented to Pune University).

## **Educational Qualifications**

- Bachelor of Engineering in Mechanical field from Pune University in **2018**.
- HSC & SSC from Maharashtra Examination Board in **2014 & 2012**.

## **Personal Information**

- Date Of Birth: 19<sup>th</sup> August 1996.
- Languages known: English, Hindi, Marathi.

## **Declaration**

I hereby declare that above information is true to best of my knowledge and belief.