

Date: 17/01/2026

Permission Letter

To,

The Principal

Vivekanand College, Kolhapur (Empowered Autonomous)

Subject: Request to grant permission for **Workshop**.

Respected Sir,

Department of Foundry Technology (B.Voc) is going to arrange a workshop on **"3D Printing, 3D Scanning, Reverse Engineering"** by **Prof. Suyog B. Rayjadhav** on **19th January 2026**. Please give us permission to arrange a workshop.

This workshop will help students to get hands-on experience of advanced instruments used in design and development of casting and final quality of casting.

Expected remuneration is 2000 rupees.

Thanking you.

Yours sincerely



Mr. A. M. Mane

HEAD
B. VOC. FOUNDRY TECHNOLOGY
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)

[Signature]
19/1/26

Allowed
hitharot
19/1/2026

VIVEKANAND COLLEGE, KOLHAPUR (EMPOWERED AUTONOMOUS)
DEPARTMENT OF FOUNDRY TECHNOLOGY

NOTICE

All the students are hereby informed that our department is going to organize a Workshop on “3D Printing, 3D Scanning, Reverse Engineering” by Prof. **Suyog B. Rayjadhav**. This workshop will help students to get hands-on experience of advanced instruments used in design and development of casting and final quality of casting.

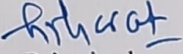
Everyone should be present on time.

Date: 19th January 2026

Time: 11.00 am onwards

Place: IDEA Lab, DKTE's College of Engg. Ichalakaranji.




Principal

Principal

Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)

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"ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार"
-शिक्षणमहर्षी डॉ. बापूजी साबुळे

ESTD June 1964
AISHE Code : C-11059
DTE Code : 16126



Shri Swami Vivekanand Shikshan Sanstha's
VIVEKANAND COLLEGE, KOLHAPUR

(AN EMPOWERED AUTONOMOUS INSTITUTE)

2130, 'E' Tarabai Park, Kolhapur, Tal. Karveer, Dist. Kolhapur -416003

Affiliated to Shivaji University, Kolhapur (M.S.)

NAAC Reaccredited : "A+" (CGPA3.29)

College with Potential for Excellence by U.G.C., New Delhi

"Star College" by D.B.T Govt. of India

ISO 9001 : 2015



Ph. : 0231-2658612 Fax : 0231-2658840 Resi.: 0231-2653962 Website : www.vivekanandcollege.ac.in E-mail : info@vivekanandcollege.ac.in

Founder
Dr. Bapuji Salunkhe
D.Lit.

President
Hon. Chandrakant Dada Patil
MLA

Chairman
Prin. Abhaykumar Salunkhe
M.A.

Secretary
Prin.Mrs. Shubhangi Gawade
M.Sc., B.Ed.

Inch. Principal
Dr. S. P. Thorat
M.Sc., M.Phil., Ph.D.

Ref. No. VCK/ 2345/2026

Date : 19/1/2026

To.

Prof. Suyog B. Rayjadhav

DKTE's College of Engineering,

Ichalkaranji.

Subject: Invitation for **workshop**.

Respected Sir,

Vivekanand College Kolhapur (Empowered Autonomous) is NAAC Re-accredited with grade 'A+' and is having status of 'College with Potential for Excellence' by UGC. Our college is awarded the grade of 'Star College' by DST-Govt. of India.

We have started three years B. Voc degree course in Foundry Technology. As our course is skill-based education and job oriented. We are going to arrange a workshop on "3D Printing, 3D Scanning, Reverse Engineering" on 19th January 2026

As you are an expert in Design and Development of casting, we assure that your guidance will add more practical information about methoding of casting in our students. So, we request you to accept our invitation for the same.

Hoping for your positive response.

Thanking you,



Yours faithfully,

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(Dr. S. P. Thorat)

Principal

Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)



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M.Sc., B.Ed.

Inch. Principal
Dr. S. P. Thorat
M.Sc., M.Phil., Ph.D.

Ref. No. VCK/ 2345/2026

Date : 19/11/2026

Letter of Appreciation

To,

Prof. Suyog B. Rayjadhav

DKTE's College of Engineering,

Ichalkaranji.

We are very much thankful to you for delivering the Guest Lecturer on **"3D Printing, 3D Scanning, Reverse Engineering"** on **19th January 2026** at Foundry Technology (B. Voc.) department at Vivekanand College, Kolhapur (Empowered Autonomous)

We appreciate your presence and looking forward to our further acquaintance and interaction.

Yours faithfully,

(Dr. S. P. Thorat)

Principal

Vivekanand College, Kolhapur
(An Empowered Autonomous Institute)



B.VOC & COMMUNITY COLLEGE
DEPARTMENT OF FOUNDRY TECHNOLOGY

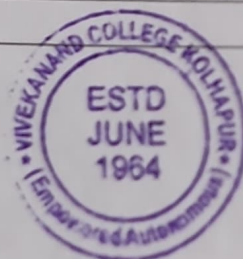
GUEST LECTURE ON: 3D Printing, 3D Scanning, Reverse Engg.

CLASS: B.VOC FT I, II, III

DATE: 19/01/2018

SR. NO	NAME OF STUDENT	SIGN
1	Devesh Hapalija	
2	Anant Bhosale	
3	Arvind A. Bhosale	
4	Prashant D. Ardekar	
5	Soham M. More	
6	Rajkumar R. Kamble	
7	Pranav K. Divate	
8	Mithun Aukere	
9	Vasant Vilas Urf Dnyanu Nikam	
10	Sourabh A. Lohar	
11	Omkar E. Patil	
12	Imran G. More	
13	Sunil K. Kumbhar	
14	Sanjay Mahesh Savam	
15	Kedar Laxman Patil	
16	Samarth Vinod Ingale	
17	Raj Vinod Singh	
18	Valibhai Vitthal Thorat	
19	Sumit Sanjay Kadam	
20	Rushikesh S. Birjdar	
21	DHARMENDRA SHIRKAR	
22	Mr. Surej V. Mujawar	
23	Rahul Raju Kere	
24		
25		
26		
27		
28		

STAFF



HEAD OF DEPARTMENT



"Education for Knowledge, Science and Culture"
-Shikshamharshi Dr. Bapuji Salunkhe

VIVEKANAND COLLEGE, KOLHAPUR
(AN EMPOWERED AUTONOMOUS INSTITUTE)
INTERNAL QUALITY ASSURANCE CELL

2025-26



Criteria V

Activities Report

1. **Name of Department:** B.Voc. Foundry Technology
2. **Name of Organized Activity:** workshop on "3D Printing, 3D Scanning, Reverse Engineering" by Prof. Suyog B. Rayjadhav
3. **Date:** 19th January 2026 **Duration:** 1 Day
4. **Aims and Objectives:** To capture the physical geometry of an existing component using 3D scanning, create a fully editable CAD model through reverse engineering, and manufacture an accurate physical replica or modified version using 3D printing.
 - **Digitize Physical Assets:** Convert non-CAD physical parts into accurate 3D digital mesh data using optical or laser scanning.
 - **Reconstruct & Optimize CAD Models:** Re-engineer scan data into precise, editable parametric solid models to fix defects, modify features, or modernize outdated designs.
 - **Rapid Prototyping & Replication:** Produce high-precision functional prototypes or end-use parts rapidly using 3D printing, eliminating expensive traditional tooling.
 - **Bridge Design Gaps:** Legacy part replacement, competitive analysis, custom fitting, and quality control verification against original specifications.
5. **No. of beneficiaries:** (Participants) 23 Students
6. **Expenditure & funding agency/collaborators:** Nil **Total Expenditure** - Nil
7. **Brief description:** This integrated workflow combines hardware digitizing, computer-aided design, and additive manufacturing to recreate or improve physical components. First, **3D Scanning** captures the precise surface geometry and dimensions of a physical object into high-density digital mesh data. Next, **Reverse Engineering** transforms that raw mesh into a fully editable, parametric CAD model for design enhancement, repair, or documentation. Finally, **3D Printing** uses this updated digital blueprint to rapidly manufacture a precise functional prototype or final production part layer by layer. Together, these three technologies provide an end-to-end solution for legacy part restoration, rapid product development, and customized manufacturing.
8. **Outcomes:**
A fully digitized and editable 3D CAD model alongside a functional 3D-printed physical replica, enabling legacy part restoration, rapid prototyping, and quality inspection.



9. Photos:



10. Signatures of coordinator/ organizer:

Shan
SA Kamal

