

**DST PURSE SPONSORED**

ONE DAY HANDS-ON WORKSHOP  
**THIN FILM PREPARATION  
& CHARACTERIZATION TOOLS**



16 JULY 2026



9:30 AM –  
5:00 PM



NEW SEMINAR HALL,  
KL DEEMED TO BE UNIVERSITY



**ABOUT THE WORKSHOP**

This workshop offers a comprehensive introduction to thin-film deposition, advanced characterization techniques and semiconductor processing tools. Participants will gain insights into state-of-the-art instruments including AFM, Electron Microscopy, Sputtering Systems and PCB Prototype Machines through expert talks and hands-on laboratory demonstrations.

The program aims to provide practical exposure to thin film preparation, nanoscale imaging, semiconductor processing and device fabrication techniques with interaction from industry experts.

**WORKSHOP HIGHLIGHTS**



Atomic Force  
Microscopy (AFM)



DC/RF Magnetron  
Sputtering



Electron  
Microscopy



PCB Prototype  
Machine



Semiconductor  
Processing Tools



Hands-on Laboratory  
Demonstrations



Interaction with Industry Experts

**TECHNICAL PROGRAMME**

| TIME             | TOPIC                                                                                                                           | SPEAKER / DETAILS                                                                                        |
|------------------|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| 09:30 – 10:00 AM | Registration & Kit distribution for registered participants.                                                                    | –                                                                                                        |
| 10:00 – 10:40 AM | Welcome Note & Introduction to exploring the R&D facilities @ KLEF – KL University, Labindia & Park Systems                     | Dr. Venkatesan, Labindia Instruments<br>Dr. B.T.P. Madhav, KL University<br>Mr. Raviprasad, Park Systems |
| 10:40 – 11:20 AM | Talk 1 : Introduction to AFM Operations and Correlative Studies                                                                 | Dr. Sabarigresan<br>Application Scientist, Park Systems                                                  |
| 11:20 – 11:30 AM | Tea Break                                                                                                                       | –                                                                                                        |
| 11:30 – 12:10 PM | Talk 2 : Exploring Advanced Materials with Nanoscale Imaging Solutions Using Electron Microscopy                                | Mr. Rajagopal<br>National Product Manager, Labindia Instruments                                          |
| 12:10 – 12:50 PM | Talk 3 : Introduction to Semiconductor Processing Tools                                                                         | Dr. Venkatesan<br>Senior Product Specialist, Labindia Instruments                                        |
| 12:50 – 01:00 PM | Group Photo and Closing Remarks                                                                                                 | Mr. Hemant Gourkar<br>Sr. General Manager, Labindia Instruments                                          |
| 01:00 – 02:00 PM | Lunch Break                                                                                                                     | –                                                                                                        |
| 02:00 – 03:30 PM | Lab Demo Batch I (10–15 members)<br>Thin-film preparation @ DC/RF Sputtering and<br>Device preparation @ PCB Prototype machine  | Park AFM Team                                                                                            |
| 03:30 – 05:00 PM | Lab Demo Batch II (10–15 members)<br>Thin-film preparation @ DC/RF Sputtering and<br>Device preparation @ PCB Prototype machine | Park AFM Team                                                                                            |

**REGISTRATION DETAILS**



REGISTRATION FEE

**₹ 300**

PER PARTICIPANT



LAST DATE TO REGISTER

**13 JULY 2026**



LIMITED TO

**40 PARTICIPANTS**

**SELECTION ON A FIRST-COME,  
FIRST-SERVED BASIS**

**CONFIRM YOUR  
REGISTRATION NOW!**

SCAN TO REGISTER



**PAYMENT / BANK DETAILS**

Account Name : KL University - Sponsored Research Funds/[KLU-SR-036]  
Account Number : 62434363674 | IFSC Code : SBIN0021361  
Bank Name : State Bank of India | Branch : KL University Branch

**ORGANIZING COMMITTEE**

**KL UNIVERSITY**

Convenor  
Dr. B.T.P. Madhav, Dean (R&D), KLEF  
Co-ordinator  
Dr. S. Arunmetha, Associate Dean,  
R&D – Sponsored Research  
Co-ordinator  
Dr. V. Vivekanathan, Associate  
Professor, IRD

**LABINDIA INSTRUMENTS**

Convenor  
Mr. Hemant Gourkar,  
Sr. General Manager  
Co-ordinator  
Dr. Venkatesan,  
Senior Product Specialist  
Co-ordinator  
Mr. Muthupandi,  
Territory Sales Manager

## REPORT

### One-Day Workshop on Thin Film Preparation and Characterization Tools

#### Event Details

| Particular                  | Details                                                                                |
|-----------------------------|----------------------------------------------------------------------------------------|
| Event Name                  | One-Day Workshop on Thin Film Preparation and Characterization Tools                   |
| Category                    | Technical Workshop                                                                     |
| Sponsored By                | DST-PURSE                                                                              |
| Collaborating Organizations | Labindia Instruments Pvt. Ltd. & Park Systems                                          |
| Date                        | 16 July 2026                                                                           |
| Time                        | 9.30 AM – 5.00 PM                                                                      |
| Venue                       | CV Raman Hall (New Seminar Hall), KLEF                                                 |
| Participants                | Around 40 Faculty Members, Research Scholars, and PG Students                          |
| Convener                    | Dr. B.T.P. Madhav, Dean R&D                                                            |
| Coordinators                | Dr. S. Arunmetha, Associate Dean, R&D<br>Dr. V. Vivekanathan, Associate Professor, IRD |
| Industry Coordinators       | Mr. Hemant Gourkar, Dr. Venkatesan, Mr. Muthupandi                                     |

#### 1. Introduction

Considering the rapid advancements in nanotechnology, semiconductor devices, flexible electronics, MEMS, and research into advanced materials, there is a growing necessity for researchers to attain practical knowledge of sophisticated characterization and fabrication equipment. Atomic Force Microscopy (AFM), electron microscopy, thin-film deposition systems, and semiconductor processing tools have become essential instruments in modern scientific research. To bridge the gap between theoretical knowledge and practical implementation, the Sponsored Research Office (SRO), KLEF, under the DST-PURSE program, organized a One-Day Workshop on "**Thin Film Preparation and Characterization Tools**" in collaboration with Labindia Instruments and Park Systems.

The program provided an excellent platform for faculty members, research scholars, postgraduate students, and industry professionals to interact with experts from leading instrumentation companies and gain practical exposure to advanced research facilities available at KLEF.

## 2. Objectives of the Workshop

The workshop was organized with the following objectives:

- To introduce participants to advanced thin-film preparation techniques.
- To understand the operating principles of Atomic Force Microscopy (AFM).
- To provide knowledge on semiconductor processing equipment and familiarize participants with nanoscale imaging and characterization techniques.
- To demonstrate practical applications of thin-film deposition and device fabrication.
- To promote collaborative research between academia and industry; encourage effective utilization of DST-PURSE research infrastructure.

## 3. Inaugural Session

The program commenced at 10.00 AM with a formal inaugural ceremony in Peacock Hall. The inaugural function began with the **Prayer Song**, invoking blessings for the successful conduct of the workshop. This was followed by the **Lighting of the Ceremonial Lamp** by the dignitaries, symbolizing the dissemination of knowledge and innovation.

The organizing committee warmly welcomed all distinguished guests, speakers, faculty members, research scholars, and participants. The inaugural remarks highlighted the significance of advanced characterization facilities for multidisciplinary research and emphasized the need to provide researchers with practical exposure to state-of-the-art instrumentation. The participants were encouraged to actively interact with the experts and make effective use of the laboratory demonstration sessions. The inaugural session concluded with a brief introduction to the day's program and technical sessions.



*Lighting of Lamp & Prayer Song*

#### 4. Welcome Address and Introduction to R&D Facilities

The technical program commenced with a welcome session delivered jointly by experts from KLEF, Labindia Instruments, and Park Systems.



Dr. B.T.P. Madhav presented an overview of the research ecosystem available at KLEF and highlighted the research opportunities under the DST-PURSE program.



Mr. Hemant Gourkar from Labindia Instruments introduced various advanced characterization instruments available for materials research.



Mr. Srinivanan from Park Systems discussed the importance of Atomic Force Microscopy in modern nanotechnology research.

The participants were introduced to the advanced laboratories and interdisciplinary research facilities established under DST-PURSE.

## 5. Technical Session I

### Introduction to AFM Operations and Correlative Studies

The first technical lecture was delivered by **Dr. Sabarigresan**, an Application Scientist at Park Systems. The speaker explained the fundamental principles of Atomic Force Microscopy (AFM), including interactions between the probe tip and the sample surface, operating modes, image acquisition techniques, and quantitative surface analysis.

The session covered: Fundamentals of Atomic Force Microscopy; Contact, Non-contact, and Tapping Modes; Surface Roughness Measurement; Nano-scale Imaging; Force Spectroscopy; Correlative Microscopy; Industrial Applications; Semiconductor Device Characterization; and Thin Film Surface Analysis.

The lecture included several practical examples demonstrating AFM applications in semiconductor devices, MEMS, flexible electronics, energy materials, and biomedical research. Participants actively interacted with the speaker and clarified several technical queries.



## AFM Operations and Correlative Studies

### 6. Technical Session II

#### Exploring Advanced Materials with Nanoscale Imaging Solutions Using Electron Microscopy

The second technical lecture was delivered by **Mr. Rajagopal**, National Product Manager, Labindia Instruments. The presentation focused on electron microscopy techniques for advanced material characterization.

The session discussed:

Fundamentals of SEM, High Resolution Imaging, Elemental Analysis, Material Surface Morphology, Failure Analysis, Nanostructure Characterization, Applications in Electronics, Materials Science, Biomedical Engineering

Several case studies were presented demonstrating characterization of nanomaterials, thin films, and semiconductor devices. The participants appreciated the detailed explanation of imaging techniques and industrial applications.



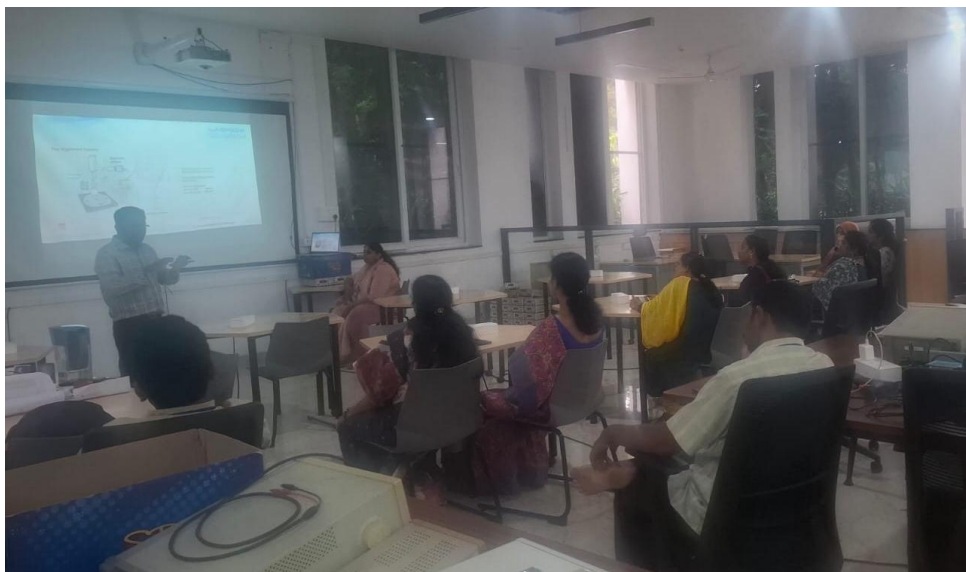
## **Exploring Advanced Materials with Nanoscale Imaging Solutions**

### **7. Technical Session III**

#### **Introduction to Semiconductor Processing Tools**

The third session was led by Dr. Venkatesan, Senior Product Specialist at Labindia Instruments. This lecture introduced the participants to modern semiconductor fabrication processes. Major topics covered included: Semiconductor Manufacturing Process Flow, Wafer Cleaning, Thin Film Deposition, DC Sputtering, RF Sputtering, Photolithography, Etching Techniques, Thin Film Growth, Device Packaging, Clean Room Practices

The speaker also explained current trends in semiconductor manufacturing and India's growing semiconductor ecosystem. Participants gained valuable knowledge on fabrication technologies used in both academic research laboratories and semiconductor industries.



***Semiconductor Processing Lecture***

## 8. Laboratory Demonstration Session

The afternoon session consisted of live demonstrations conducted at the DST-PURSE Laboratories. Participants were divided into two batches to facilitate effective interaction with the equipment.



### AFM Demonstration

Participants observed: Sample Preparation, Probe Selection, Instrument Calibration, Surface Scanning, Image Generation. Data Analysis. Experts explained the complete operating procedure of the Atomic Force Microscope and demonstrated real-time nanoscale imaging.



### Thin Film Preparation

The laboratory team demonstrated: DC Magnetron Sputtering, RF Sputtering, Thin Film Deposition, Process Parameter Optimization, Film Thickness Control. Participants gained practical understanding of thin-film preparation techniques used in research laboratories.

## 9. Workshop Outcomes

Upon successful completion of the workshop, participants were able to:

- Understand advanced thin-film preparation methods and learn the operating principles of Atomic Force Microscopy.
- Understand semiconductor fabrication technologies, gain exposure to nanoscale characterization techniques.
- Learn practical operation of advanced research instruments, understand industrial applications of characterization tools.
- Explore opportunities for collaborative research, effectively utilize DST-PURSE laboratory facilities.

## 10. Participant Feedback

The feedback collected from participants indicated an overwhelming positive response.

Participants appreciated:

- Excellent organization of the workshop; Highly experienced resource persons.
- Practical demonstrations; Industry-oriented technical sessions.
- Laboratory exposure; Opportunity to interact with experts.
- State-of-the-art research facilities.

Several participants expressed interest in attending future advanced workshops on semiconductor fabrication, AFM applications, MEMS devices, and advanced material characterization.

Overall feedback rating was excellent.

## 11. Valedictory Session

The valedictory program commenced after the successful completion of all technical sessions and laboratory demonstrations. The organizers congratulated all participants for their enthusiastic involvement throughout the workshop. The invited experts appreciated the excellent research infrastructure available at KLEF under the DST-PURSE program and encouraged participants to utilize these facilities for interdisciplinary research. Certificates of Participation were distributed to all registered participants.

The participants then submitted their feedback forms, expressing their appreciation for the technical quality and organization of the program. Finally, the program concluded with a **Vote of Thanks**, in which gratitude was expressed to KLEF Management, Dean R&D, DST-PURSE Program, Lab India Instruments, Park Systems, Distinguished Speakers, Faculty Coordinators, Organizing Committee, Student Volunteers, and all participants. The workshop concluded successfully with a group photograph.



*Certificate Distribution*



*Group Photograph*

## **12. Conclusion**

The **DST-PURSE Sponsored One-Day Workshop on "Thin Film Preparation and Characterization Tools"** was successfully conducted as per the scheduled program. Beginning with a formal inaugural ceremony comprising the prayer song and lighting of the ceremonial lamp, the workshop proceeded through a series of expert technical sessions, followed by hands-on laboratory demonstrations on AFM operation, thin-film deposition, semiconductor processing, and PCB prototyping. The program concluded with a valedictory session, the distribution of certificates, participant feedback, and a vote of thanks.

The workshop fulfilled its objectives by enhancing participants' understanding of advanced materials characterization and semiconductor fabrication technologies while promoting industry–academia collaboration. The active participation, interactive discussions, practical demonstrations, and highly positive feedback from attendees reflected the program's overall success and impact. The event also showcased KLEF's DST-PURSE research infrastructure and reinforced its commitment to fostering excellence in advanced scientific research and innovation.

**List of Participants:**

| S. No | Name                          | Mobile No     | Institution                                         | Address              |
|-------|-------------------------------|---------------|-----------------------------------------------------|----------------------|
| 1     | Dr. Debabrata Bej             | 9064071421    | Koneru Lakshmaiah Education Foundation              | Vaddeswaram          |
| 2     | Sonti S S Malleswara Sharma   | 8885412910    | KL university                                       | Vaddeswaram          |
| 3     | Sukanta Kumar Swain           | 9438406265    | KL Education foundation, Vijayawada, Andhra Pradesh | KL University campus |
| 4     | Dr. Pratap Kumar Dakua        | 9040627674    | KLEF                                                | Vijayawada           |
| 5     | Parasmai Kanthi               | 9347823475    | SDM SIDDHARTHA MAHILA KALASALA                      | VIJAYAWADA           |
| 6     | Dr Manoharmayum Dolpriya Devi | 7005587341    | KLEF                                                | KLEF                 |
| 7     | GVR LAKSHMI PRASAD            | 9490969349    | K L UNIVERSITY                                      | Vaddeswaram          |
| 8     | AKINAPALLY NAVEEN             | 7799094099    | CHAITANYA DEEMED TO BE UNIVERSITY                   | HYDERABAD            |
| 9     | Dr. A. Venkateswara Rao       | 8522815198    | Koneru Lakshmaiah Education Foundation(KLEF)        | Vaddeswaram, Guntur  |
| 10    | PADAMATI VEERAKUMARI          | 9989773302    | Koneru Lakshmaiah Education Foundation(KLEF)        | Vaddeswaram, Guntur  |
| 11    | Sujatha Yadlapalli            | 9493890068    | KL University                                       | Vijayawada           |
| 12    | Sowmithri paladugu            | 9440701694    | Sir cr reddy college of engineering                 | Eluru                |
| 13    | Dr Radha Kolipara             | 8688310995    | Sir C R reddy college of Engineering                | Eluru                |
| 14    | Ghatraju Saipriyanka          | 9652183953    | KL University                                       | Vaddeswaram          |
| 15    | Dr.Ch.Raghavendra             | 9640952001    | SAHE University                                     | vijayawada           |
| 16    | Durgaraju kanaka harshita     | +917075946996 | kl university                                       | vijayawada           |
| 17    | Bolem Vamsy Krishna           | 9492937318    | Seshadri Rao Gudlavaluru Engineering College        | Gudlavaluru          |
| 18    | kishore                       | 9686951464    | park                                                | banalore             |
| 19    | N.V.N.K.Suresh Kumar          | 9949237717    | Vikas College of Engineering and Technology         | Vijayawada           |
| 20    | Moparthi Haritha              | 8867737942    | KLEF                                                | Vijayawada           |
| 21    | Shaheen Begum                 | 9121723945    | KLEF                                                | Vaddeswaram          |
| 22    | Pamulapati Soujanya           | 9666642652    | KLEF                                                | Vaddeswaram          |
| 23    | M Lakshmana Kumar             | 9000655745    | KLEF Deemed to be University                        | Vijaywada            |
| 24    | PADAMATI LAKSHMI TIRUPATAMMA  | 9030758557    | KL university                                       | VADDESWAREM          |
| 25    | GAYATHRI BOYA                 | 9502165220    | KL UNIVERSITY                                       | VIJAYAWADA           |
| 26    | Lavanya Bandi                 | 9347768128    | KLEF                                                | Vaddeswaram          |

|    |                            |            |                                           |                            |
|----|----------------------------|------------|-------------------------------------------|----------------------------|
| 27 | SALE SIVA                  | 6303378247 | KLEF                                      | GREEN FIELD<br>VADDESWAREM |
| 28 | KALIYANNAN<br>MANOJKUMAR   | 9500243402 | Sr university                             | Warangal                   |
| 29 | Mukilan<br>Muthuramalingam | 9600351354 | K. L. University                          | Vijayawada                 |
| 30 | DHARA SATEESH              | 9441575498 | KL UNIVERSITY                             | KL UNIVERSITY              |
| 31 | Dr. Usha Devi Yalavarthi   | 9133241111 | Koneru Lakshmaiah Education<br>Foundation | Vaddeswaram                |
| 32 | BHARATHSURYA G             | 6361852053 | KLU                                       | KLU                        |
| 33 | SAI KRISHNA SANTOSH G      | 9989721790 | KLEF                                      | Guntur                     |
| 34 | Dr.M.Sujatha               | 9941353997 | KLEF                                      | Vijayawada                 |
| 35 | Dr.S.Vamsee Krishna        | 8985663996 | K. L. University                          | Vijayawada                 |
| 36 | Srinivasa rao              | 7036092413 | K. L. University                          | Vijayawada                 |
| 37 | Jai Ganesh R               | 8790849001 | K. L. University                          | Vijayawada                 |
| 38 | G.Obulesu                  | 9490784487 | K. L. University                          | Vijayawada                 |
| 39 | G,Srinivasa Rao            | 9949712480 | K. L. University                          | Vijayawada                 |
| 40 | B.Tirukumaran              | 9789620066 | K. L. University                          | Vijayawada                 |



## Fw: DST-PURSE Sponsored One-Day Workshop on "Thin Film Preparation and Characterization Tool" – Reg.

**From** HOD-ECE <hod.ece@kluniversity.in>

**Date** Wed 2026-07-15 17:24

**To** ECE Faculty <ecefaculty@kluniversity.in>

2 attachments (11 MB)

AFM WORKSHOPS.pdf; DST PURSE Workshop poster.jpeg;

**Dr. Govardhini I, M.Tech., Ph.D,**

**Professor and Head**

Department of Electronics and Communication Engineering

(DST -FIST Sponsored Department)

Koneru Lakshmaiah Education Foundation

(Deemed to be University estd., u/s 3 of UGC Act 1956)

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**From:** Registrar Office <officeofregistrar@kluniversity.in>

**Sent:** 15 July 2026 10:05

**To:** PRESIDENT <president@kluniversity.in>; Raja Harin koneru <krh@kluniversity.in>; PRO-CHANCELLOR <prochancellor@kluniversity.in>; Vice Chancellor - KLU <vc@kluniversity.in>; Dr.G.P.S. Varma, Vice- Chancellor <gpsvarma@kluniversity.in>; N Venkat Ram <venkatram@kluniversity.in>; ProVC-KRR <provc-krr@kluniversity.in>; Registrar <registrar@kluniversity.in>; Dr Jagadeesh Anne <drjagadeesh@kluniversity.in>; Dr. A Vani <drvani@kluniversity.in>; Dr. JKR Sastry <drsastri@kluniversity.in>; Advisor Student Affairs <habibulla@kluniversity.in>; Dean Academics <dean.academics@kluniversity.in>; Dean (R & D) <deanrnd@kluniversity.in>; K R S Prasad <krspasad\_fed@kluniversity.in>; Dean Student Affairs <deansa@kluniversity.in>; Dean Quality <deanquality@kluniversity.in>; Dean Faculty & Staff Affairs <deanfsa@kluniversity.in>; Dean - Skill Development <deanskill@kluniversity.in>; Dean Skill Development <deansdnsp@kluniversity.in>; Dean- MHS-IR <deanmhs@kluniversity.in>; Kishore <kishore@kluniversity.in>; Dean Placements and Progression <deanplacement@kluniversity.in>; Dr.P.V.Chalapathi <pvc@kluniversity.in>; Addl.Dean-Academics <addl.deanacademics@kluniversity.in>; Dean(addl) Academics <hari.vege@kluniversity.in>; Dr Santosh Kumar <santosh@kluniversity.in>; COE <coe@kluniversity.in>; PRINCIPAL - COE <principal.coe@kluniversity.in>; Principal-ASC <principal.asc@kluniversity.in>; Pricipal K L Pharmacy College <principal.pharmacy@kluniversity.in>; PRINCIPAL LAW <principal.law@kluniversity.in>; Principal -FED <principal.fed@kluniversity.in>; Dr A Anka Rao <Ankarao@kluniversity.in>; K Sarada <saradakalli@kluniversity.in>;

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**Subject:** DST-PURSE Sponsored One-Day Workshop on "Thin Film Preparation and Characterization Tool" – Reg.

Ref: KLEF/RO/R&D/Workshop/2026-27

Date: 15-07-2026

**Orders of the Hon'ble Vice-Chancellor dt. 15-07-2026**

**CIRCULAR**

Sub: **DST-PURSE Sponsored One-Day Workshop on "Thin Film Preparation and Characterization Tool" – Reg.**

Ref: Letter dt. 13-07-2026 from Dr. B.T.P. Madhav, Dean (R&D)

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This is to inform all Faculty Members, Research Scholars, Postgraduate Students, and interested participants that the Research & Development, in association with **Labindia Instruments** and **Park Systems**, is organizing a **DST-PURSE Sponsored One-Day Workshop on "Thin Film Preparation and Characterization Tool"** on **Thursday, 16 July 2026**, from **9:30 AM to 5:00 PM** at the **New Seminar Hall, KLEF, Vaddeswaram campus**.

The workshop is designed to provide participants with comprehensive knowledge and hands-on exposure to advanced characterization and semiconductor processing techniques, including **Atomic Force Microscopy (AFM)**, **Electron Microscopy**, **Thin Film Deposition (DC/RF Sputtering)**, **Semiconductor Processing Tools**, and **PCB Prototype-Based Device Fabrication**. The technical sessions will be delivered by experts from **Park Systems** and **Labindia Instruments**, followed by laboratory demonstrations at the DST-PURSE research facilities.

The workshop will be conducted under the guidance of:

- **Dr. BTP Madhav**, Dean – Research & Development
- **Dr. S. Arunmetha**, Associate Dean – Research & Development (Sponsored Research)
- **Dr. V. Vivekananthan**, Associate Professor, IRD
- Experts from **Labindia Instruments** and **Park Systems**

The workshop is open to **Faculty Members, Research Scholars, and PG Students** with **limited registration to 40 participants** on a **first-come, first-served basis**. The **registration fee is ₹300 per participant**.

This workshop is organized with financial support from the DST-PURSE Program and aims to strengthen research capabilities in advanced materials, nanotechnology, flexible electronics, and semiconductor device fabrication by providing exposure to state-of-the-art instrumentation and laboratory practices.

Brochure is attached herewith.

All Heads of Departments, Functionaries and Office In-charges are directed to circulate this information among the Faculty members, Research Scholars and PG Students of their respective departments and encourage interested participants to register and attend the program.

REGISTRAR (I/C)

Encl: as above

Mail & Hard copy to: Hon'ble President, KLEF

Mail to: Hon'ble Vice-Presidents, KLEF

Mail & Hard copy to: Hon'ble Pro Chancellor

# One Day Workshop on Thin film Preparation and Characterization Tool



16th July 2026



9:30 AM - 4 PM



New Seminar Hall, KL University

## AGENDA

| Time             | Topic                                                                                                                                    | Speaker                                                                                               |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| 9:30-10:00 AM    | Registration & Kit distribution for reg. participants.                                                                                   |                                                                                                       |
| 10:00-10:40 AM   | Welcome Note & introduction to exploring the R&D facilities @KLEF– KL University, Labindia & Parksystems                                 | Dr. Venkatesan, Labindia Instruments<br>Dr. BTP Madhav, KL University<br>Mr. Raviprasad, Park Systems |
| 10:40-11:20 AM   | Talk 1 : Introduction to AFM Operations and Correlative Studies                                                                          | Dr. Sabarigresan<br>Application Scientist, Park Systems                                               |
| 11:20 - 11:30 AM | Tea Break                                                                                                                                |                                                                                                       |
| 11:30-12:10 PM   | Talk 2 : Exploring Advanced Materials with Nanoscale Imaging Solutions Using Electron Microscopy                                         | Mr. Rajagopal<br>National Product Mgr., Labindia Instruments                                          |
| 12:10-12:50 PM   | Talk 3 : Introduction to Semiconductor Processing Tools                                                                                  | Dr. Venkatesan<br>Sr. Product Specialist, Labindia Instruments                                        |
| 12:50-1:00 PM    | Group Photo and Closing Remarks.                                                                                                         | Mr. Hemant Gourkar<br>Sr. General Manager, Labindia Instruments                                       |
| 1:00-2:00 PM     | Lunch Break.                                                                                                                             |                                                                                                       |
| 2:00-3:30 PM     | Park AFM : Thin-film preparation @ DC/RF Sputtering and Device preparation @ PCB Prototype machine. Lab Demo Batch I&II (~10-15 members) | Dr. Sabarigresan<br>Application Scientist, Park Systems                                               |
| 3:30-5:00 PM     | Park AFM : Thin-film preparation @ DC/RF Sputtering and Device preparation @ PCB Prototype machine. Lab Demo Batch I&II (~10-15 members) | Dr. Sabarigresan<br>Application Scientist, Park Systems                                               |

**Registration Limited to 40 Participants**  
**Seats will be allotted on a First-Come, First-Served Basis**  
**Confirm Your Registration Now!**

**Registration Fee**  
**INR 300 per participant**

**Last Date to Register**  
**13th July, 2026**



**REGISTER HERE**

**Account Name: KL University - Sponsored Research Funds/[KLU-SR-036]**  
**Account Number: 62434363674 | IFSC Code: SBIN0021361**

**KL University**

**Convenor :** Dr. BTP Madhav, Dean R&D, KLEF. | **Co-ordinator :** Dr. S. Arunmetha, Associate Dean. R&D-Sponsored Research  
**Co-ordinator :** Dr. V. Vivekanathan, Associate Professor, IRD

**Labindia Instruments**

**Convenor :** Mr. Hemant Gourkar – Sr.General Manager | **Co-ordinator :** Dr. Venkatesan, Senior Product Specialist  
**Co-ordinator :** Mr. Muthupandi, Territory Sales Manager