

TITLE

ANSYS FLUENT FOR BEGINNERS

25-07-2023 TO 27-07-2023

DEPARTMENT OF MECHANICAL ENGINEERING

SAKTHI POLYTECHNIC COLLEGE

SAKTHI NAGAR, ERODE - 638315

COORDINATOR: Dr. A.SHYAM

- Three-day Faculty Development Programme (FDP) on "ANSYS Fluent for Beginners" was conducted through online mode (Google Meet Platform) from 25th to 27th July 2023.
- The FDP Brochure was posted in the social media for wide publicity.

ORGANIZING COMMITTEE

Chief Patron

Thiru, G. Muniasamy Correspondent, Sakthi Polytechnic College

Sakthi Nagar – 638315

Patron

Dr. N. Thangavelu

Principal,

Sakthi Polytechnic College Sakthi Nagar - 638315

Coordinator

Dr. A. Shyam

Department of Mechanical

Engineering,

Sakthi Polytechnic College, Sakthi Nagar – 638315

Co-Coordingtor Mr. P. Kanagaraj

Department of Mechanical

Sakthi Polytechnic College, Sakthi Nagar – 638315

WHO CAN ATTEND

- Academicians
- Research scholars
- UG/PG students

ABOUT THE INSTITUTION

Sakthi Polytechnic College is functioning under the aegis of Sakthi Foundation Trust. Padma Bhushan Dr.N.Mahalingam, industrialist and educationalist was the promoter and president of the foundation. The main objective of this institution is to impart quality technical education to the rural students. The institution is managed by a Governing Council with Dr M.Manickam Executive as Chairman Representatives and experts from the fields of education and industry form the members of the Council. The institution has been approved by the All India Council for Technical Education (AICTE). Sakthi Polytechnic College is a Government Aided institution offering eight diploma programmes Recently five diploma programmes were accredited by NBA.

ABOUT THE DEPARTMENT

The Mechanical Engineering Department is a NBA accredited programme came in existence in the year 1981 which is one of the oldest among the other diploma courses in Sakthi Polytechnic College. The department has achieved great success in engineering with extensive development of its students Mechanical engineering is an important branch that requires a lot of practical and theoretical research. To achieve this, we have a highly qualified faculty team and wellmaintained laboratories and workshops. Since its establishment, the Mechanical Engineering Department has maintained a steady growth in all areas of its activity and has played a key role in creating a vibrant and positive academic environment within the college.





SAKTHI POLYTECHNIC COLLEGE SAKTHI NAGAR - 638315

Department of Mechanical Engineering

Organizing

Online Three Day Faculty Development Programme (FDP) on

"ANSYS FLUENT FOR BEGINNERS"

25-07-2023 to 27-07-2023

Important Dates:

Last Date of Submission : 20.07.2023 Intimation of Selection : 22.07.2023

REGISTRATION FORM

| | Declaration |
|-------------------------------------|--------------|
| Mobile No. | : |
| • Phone (Off.) | · |
| • E-mail | : |
| | PIN |
| | |
| Address for Co. | mmunication: |
| Institution | : |
| Department | i |
| Designation | : |
| Qualification | : |
| Gender | : |
| Name | i |

I declare that all the details furnished above are true to the best of my knowledge and I agree to abide by the rules and regulations governing the conduct of programme.

Date:

Signature of the Applicant

Sponsorship certificate

Dr./Mr/Mrs/Ms

is an employee of our Institute and is hereby sponsored by us. He/She will be permitted to attend the online FDP, if selected.

Signature with seal of Head of the Institution /organization

REGISTRATION DETAILS

- Maximum of 100 participants are permitted to
- WhatsApp and meeting link will be intimated through E-mail.
- · Registration fee of Rs.150/- (Non-Refundable, Pay using SBI Collect details given below)
- Submit the payment screenshot and transaction details using the registration link

SBI COLLECT PAYMENT DETAILS

- · Go to https://www.onlinesbi.sbi/sbicollect/
- Select "Educational Institutions" Category
- · Search "Sakthi Polytechnic College"
- · Filter by State "Tamil Nadu"
- · Select payment category as "Registration Fees"
- Select Rs.150/-
- · Give the required details and pay.

LINK FOR REGISTRATION FORM

Click the link below for registration https://forms.gle/VZeuy3aN6FrQ4p8B9

Any queries Contact: +91 9551386738, +91 9940771643

PROGRAM OVERVIEW

- Introduction to CFD
- Introduction to ANSYS Workbench
- · Basics, Sketching in ANSYS Design Modeler
- ANSYS Meshing
- Setting Up the CFD Simulation in ANSYS Fluent
- Fluid Flow and Heat Transfer Applications
- Introduction to User Defined Functions (UDF)

CERTIFICATION

The e-Certificate will be provided to the participants those who are securing minimum attendance and assessment marks

PROGRAM SCHEDULE

DAY 1 (25.07.2023)

- · Session #1 (10 am to 12 pm): Introduction to CFD & ANSYS Workbench
- · Session #2 (02 pm to 04 pm) : Basics, Sketching in ANSYS Design Modeler & ANSYS Meshing

DAY 2 (26.07.2023)

- · Session #1 (10 am to 12 pm) : Setting Up the CFD Simulation in ANSYS Fluent
- · Session #2 (02 pm to 04 pm): Fluid Flow and Heat Transfer Applications

DAY 3 (27.07.2023)

- · Session #1 (10 am to 12 pm): Fluid Flow and Heat Transfer Applications & UDF
- · Session #2 (02 pm to 04 pm) : Assessment, Feedback & Valediction

- Total 38 participants registered through google form.
- All the 38 participants were shortlisted, approved and intimated.
- List of Approved Participants is tabulated below

| S.No. | Name | Designation | Institute Name |
|-------|--------------------------------|--|---|
| 1 | B Selvasundaram | Lecturer | Sankar polytechnic college (Autonomous), Sankar nagar |
| 2 | Syed Mustafkhadri | Research Scholar | University B. D. T College of Engineering, Davangere |
| 3 | Dr. Aditya Pandey | Assistant Professor | BIT Sindri, Dhanbad, 828123 |
| 4 | K.S.Raghul Anandh | Lecturer | SSM Polytechnic College Komarapalayam |
| 5 | Sakthivel P | Lecturer | Muthayammal Polytechnic Institution |
| 6 | Manikandan.R | Assistant Professor | M.Kumarasamy College of Engineering |
| 7 | Shubha T C | Assistant Professor | Government Engineering College, Haveri |
| 8 | K.Manikandan | Head of Department | 830-Muthayammal polytechnic institution |
| 9 | S Bala Mohan | Lecturer In Mechanical Engineering | Government Polytechnic College - Simhadripuram |
| 10 | Midhun R | HOD / Assistant Professor | Sree Sakthi Engineering College |
| 11 | Subhajit Nayek, S.N. | Lecturer | Birla Institute of Technology, 56, B.T.Road, Kolkata 700050. |
| 12 | Mr. Sarode Kunal Vishwanath | Lecturer | SNJB,S SHHJB Polytechnic, Chandwad, Nashik, Maharastra |
| 13 | Hurmathulla Khan | Assistant Professor | HMS Institute of Technology, NH- 4,Kesarmudu post, Karnataka |
| 14 | Karthik T | Assistant Professor | Kumaraguru College of Technology |
| 15 | Amruta Pravin Rananaware | Assistant Professor | Jayawantrao Sawant College of Engineering, Pune. |
| 16 | Archana Devi D | Lecturer | Mohamed Sathak Polytechnic College, Kilakarai |
| 17 | Abhay Rajan | Assistant Professor | NSS College of Engineering Palakkad |
| 18 | Kalingaraj.N | Lecturer | 212, Nachimuthu Polytechnic College, Pollachi |
| 19 | Mr Saurabh Das | Lecturer | Global Institute of Science and Technology |

| S.No. | Name | Designation | Institute Name |
|-------|--------------------------------|---------------------|---|
| 20 | Sandeep Yadav | Assistant Professor | MBM University, Jodhpur, Rajasthan |
| 21 | Ganesh Jagannath Pagar | Research Scholar | MET BKC IOE, Nashik |
| 22 | Dr. Ritwik Das | Lecturer | Global Institute of Science & Technology, ICARE Complex, Haldia |
| 23 | Mr. Suvadip Sukul | Lecturer | Global Institute of Science & Technology, ICARE Complex, Haldia |
| 24 | Sk Aminul Islam | Lecturer | Global Institute of Science & Technology, ICARE Complex, Haldia |
| 25 | Mr. Soumya Kanti Mandal | Lecturer | Global Institute of Science & Technology, ICARE Complex, Haldia |
| 26 | Mr. Debajyoti Mukherjee | Lecturer | Global Institute of Science & Technology, ICARE Complex, Haldia |
| 27 | Ms. Priyanka S.Barde | Assistant Professor | Jayawantrao sawant college of Engineering, Hadapsar, Pune |
| 28 | Ms. Renuka S. Kanojiya | Assistant Professor | Jayawantrao Sawant College of Engineering, Hadapsar, Pune |
| 29 | Sivakumar A | Lecturer | Nachimuthu Polytechnic college |
| 30 | Yamini Kasu | Assistant Professor | CMR college of engineering and technology |
| 31 | Sarathkumar C | Lecturer | 134, Government Polytechnic College, Sankarapuram-606401 |
| 32 | Anees K J | Assistant Professor | Government Engineering College Idukki |
| 33 | Velmurugan T | Lecturer | 134-Government polytechnic College, Sankarapuram, Kallakurichi district. |
| 34 | Karthik S | Lecturer | 134 Government Polytechnic College Sankarapuram |
| 35 | Dr. B. Naveen | Lecturer | Government polytechnic college, R K Nagar |
| 36 | Akhil C.K | Assistant Professor | Sanjay Ghodawat University, Kolhapur |
| 37 | Dr Eknath Nivrutti Aitavade | Asst Prof | JSPMs JSCOE PUNE |
| 38 | E.Petchimuthu | Student | National Engineering College, Kovilpatti, Thoothukudi(Dist) |

• An official WhatsApp group has been created for seamless communication between the organizers and the participants.



This group QR code is private. If it is shared with someone, they can scan it with their WhatsApp camera to join this group.

- FDP schedule, Inaugural invitation and agenda was shared to all the participants through WhatsApp group.
- The Chief guest Dr. S.Iniyan, Former Dean, CEG Campus, Anna University, Chennai, Tamilnadu was invited to inaugurate the FDP.

SAKTHI POLYTECHNIC COLLEGE Government Aided Polytechnic College, Sakthi Nagar - 638315

Department of Mechanical Engineering

(NBA Accredited)

Cordially invite you to the

INAUGURAL CEREMONY

Faculty Development Trogramme (FDT) on "ANSYS FLUENT FOR BEGINNERS"

25.07.2023 to 27.07.2023

Chief Guest

Dr. S.Iniyan

Former Dean, CEG Campus, Anna University, Chennai

Patron
Dr. N.Thangavelu

Coordinator Dr. A.Shyam

Lecturer, Mech

Principal

Co-coordinator Mr.P.Kanagaraj

Lecturer, Mech



On 25.07.2023

Time: 10.00 am

Venue: Google Meet





SAKTHI POLYTECHNIC COLLEGE

Government Aided Polytechnic College, Sakthi Nagar, Erode – 638315



INAUGURAL CEREMONY

AGENDA

<u>Date: 25.07.2023</u> <u>Time: 10.00 am to 10.30 am</u>

Welcome Address : Mr. P.Kanagaraj

Lecturer,

Department of Mechanical Engineering,

Sakthi Polytechnic College, Sakthi Nagar – 638315.

Presidential Address : Dr. N. Thangavelu

Principal,

Sakthi Polytechnic College, Sakthi Nagar – 638315.

About Chief Guest : Dr. A.Shyam

Lecturer,

Department of Mechanical Engineering,

Sakthi Polytechnic College, Sakthi Nagar – 638315.

Chief Guest : Dr. S.Iniyan

Former Dean, CEG Campus, Anna University,

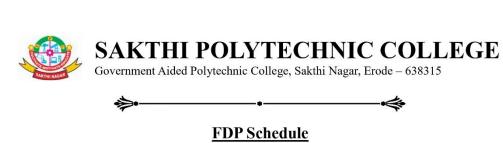
Chennai.

Vote of Thanks : Mr. P.Kanagaraj

Lecturer,

Department of Mechanical Engineering,

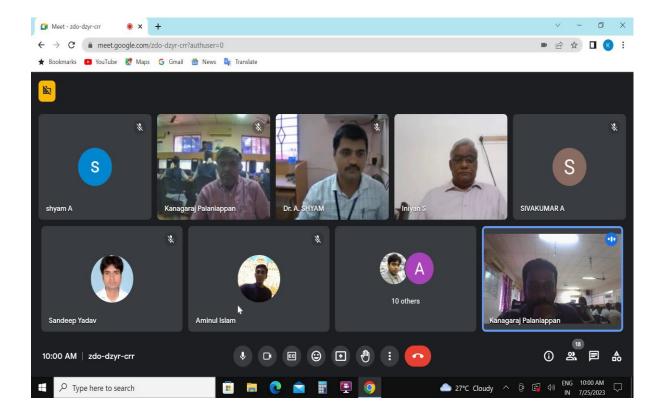
Sakthi Polytechnic College, Sakthi Nagar – 638315.

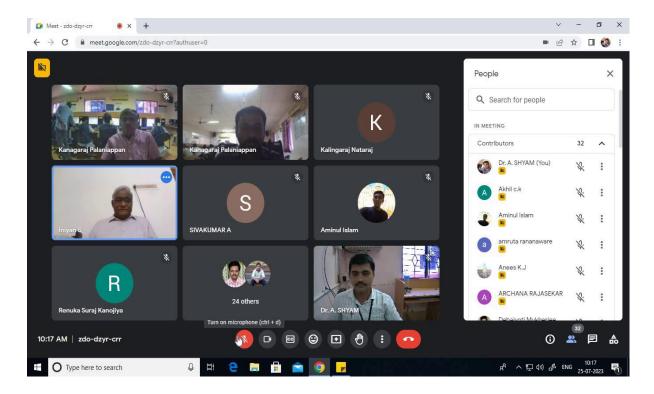


FDP Schedule

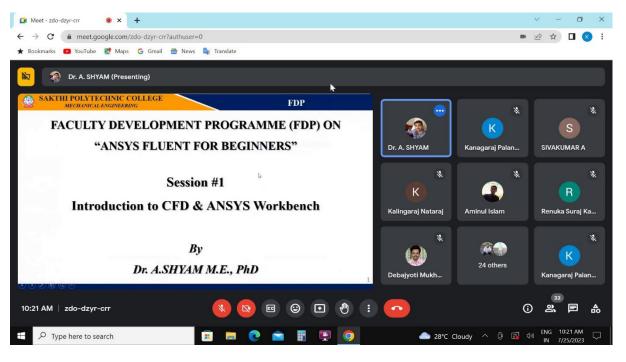
| Date | Session | Time | Торіс |
|------------|---------|----------------------|--|
| 25.07.2023 | I | 10.30 am to 12.00 pm | Introduction to CFD & ANSYS Workbench |
| | II | 02.00 pm to 04.00 pm | Basics, Sketching in ANSYS Design Modeler & ANSYS Meshing |
| 26,07,2023 | I | 10.00 am to 12.00 pm | Setting Up the CFD Simulation in ANSYS Fluent |
| | п | 02.00 pm to 04.00 pm | Fluid Flow and Heat Transfer Applications |
| 27.07.2023 | I | 10.00 am to 12.00 pm | Fluid Flow and Heat Transfer Applications & UDF |
| | II | 02.00 pm to 04.00 pm | Assessment, Feedback & Valediction |

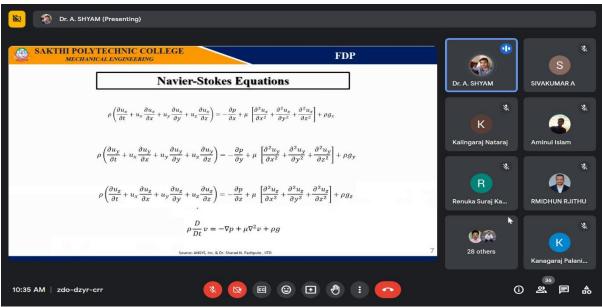
• In the first day (25.07.2023), the inaugural ceremony was conducted in the presence of Dr. N.Thangavelu, Principal, Dr. S.Iniyan, Chief Guest, Dr. A.Shyam, Coordinator and Mr. P.Kanagaraj, Co-coordinator.

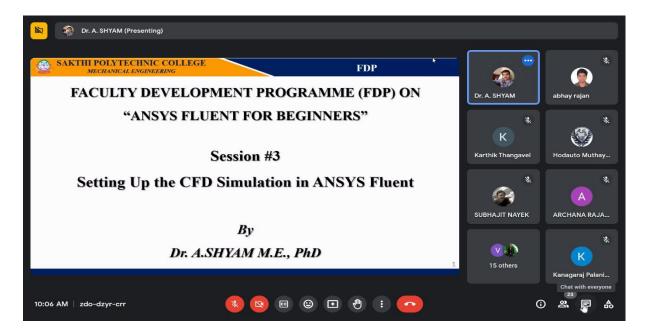


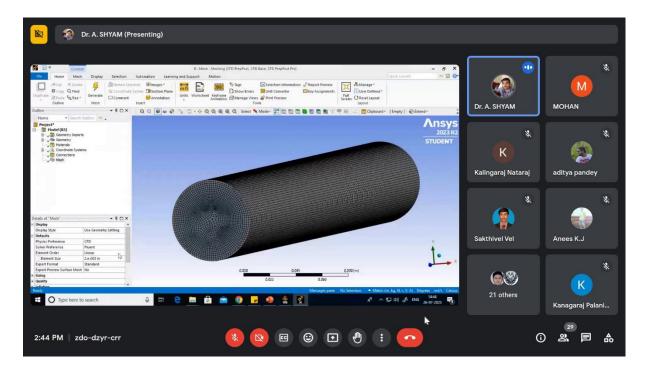


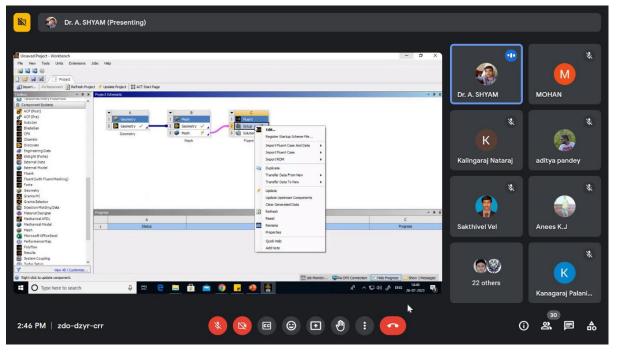
- The Coordinator of the programme welcomed all the participants and initiated the first session.
- At the end of each session, a feedback cum attendance form has been collected (google form) from the participants for rendering their views.
- The screenshot of some sessions are as below,



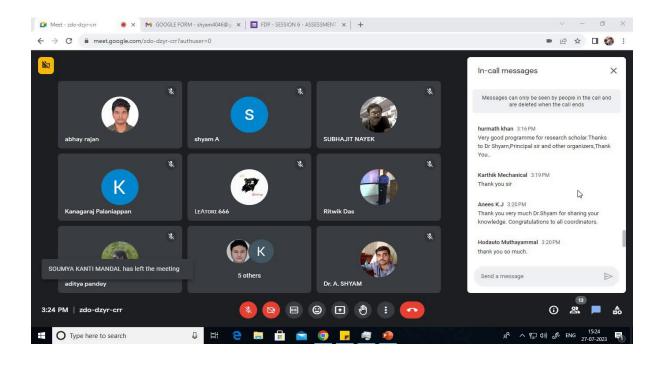


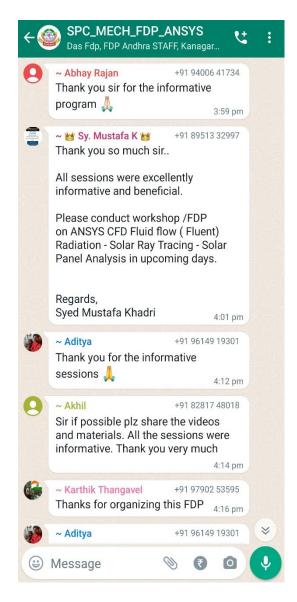






- On the final day (27.07.2023), a test has conducted for assessing the knowledge transfer to participants from 2pm to 3pm.
- The Valediction was conducted in the presence of Dr. N.Thangavelu, Principal, Dr. A.Shyam, Coordinator and Mr. P.Kanagaraj Co-coordinator.
- The participant Mr. S.Bala Mohan, Lecturer In Mechanical Engineering,
 Government Polytechnic College, Simhadripuram, Andhra Pradesh
 provided excellent feedback about the FDP. Other participants provided
 their feedback in the chatbox and WhatsApp group are listed below,







• The e-certificate for the eligible participants (having minimum attendance and assessment marks in the test) was issued on 04.08.2023 (Friday). The sample certificate is given below



The Department of Mechanical Engineering, Sakthi Polytechnic College, Sakthi Nagar, Erode, Tamil Nadu, wishes to thank our Management and Principal for given approval to conduct this three-day online FDP and providing a platform to disseminate the knowledge on ANSYS FLUENT to the faculty members of the Government Polytechnic College, Government Engineering College, Research scholars and PG Students.



TITLE

CFD SIMULATION USING ANSYS FLUENT

27-02-2024 TO 29-02-2024

DEPARTMENT OF MECHANICAL ENGINEERING

SAKTHI POLYTECHNIC COLLEGE

SAKTHI NAGAR, ERODE - 638315

COORDINATOR: Dr. A.SHYAM

- Three-day Faculty Development Programme (FDP) on "CFD SIMULATION USING ANSYS FLUENT" was conducted through online mode (Google Meet Platform) from 27th to 29th Feb 2024.
- The FDP Brochure was posted in the social media for wide publicity.

ORGANIZING COMMITTEE

Chief Patron

Thiru. G. Muniasamy

Correspondent,

Sakthi Polytechnic College Sakthi Nagar – 638315

Patron

Dr. N. Thangavelu

Principal,

Sakthi Polytechnic College Sakthi Nagar – 638315

Coordinator

Dr. A. Shyam

Lecturer,

Department of Mechanical Engineering,

Sakthi Polytechnic College, Sakthi Nagar – 638315

Co-Coordinator

Mr. P. Kanagaraj

ecturer,

Department of Mechanical

Sakthi Polytechnic College, Sakthi Nagar – 638315

WHO CAN ATTEND

- Academicians
- Research scholars
- UG/PG students

ABOUT THE INSTITUTION

Sakthi Polytechnic College is functioning under the aegis of Sakthi Foundation Trust. Padma the Dr.N.Mahalingam, industrialist and educationalist was the promoter and president of the foundation. The main objective of this institution is to impart quality technical education to the rural students. The institution is managed by a Governing Council with Dr M.Manickam Executive as Chairman Representatives and experts from the fields of education and industry form the members of the Council. The institution has been approved by the All India Council for Technical Education (AICTE). Sakthi Polytechnic College is a Government Aided institution offering eight diploma programmes Recently five diploma programmes were accredited by NBA.

ABOUT THE DEPARTMENT

The Mechanical Engineering Department is a NBA accredited programme came in existence in the year 1981 which is one of the oldest among the other diploma courses in Sakthi Polytechnic College. The department has achieved great success in engineering with extensive development of its students Mechanical engineering is an important branch that requires a lot of practical and theoretical research. To achieve this, we have a highly qualified faculty team and wellmaintained laboratories and workshops. Since its establishment, the Mechanical Engineering Department has maintained a steady growth in all areas of its activity and has played a key role in creating a vibrant and positive academic environment within the college.

DATIE NOOM





SAKTHI POLYTECHNIC COLLEGE SAKTHI NAGAR – 638315

Department of Mechanical Engineering

Organizing

Online Three Day Faculty
Development Programme (FDP)

"CFD SIMULATION USING ANSYS FLUENT"

27-02-2024 to 29-02-2024

Important Dates:

Last Date of Submission : 20.02.2024 Intimation of Selection : 22.02.2024

REGISTRATION FORM

| Name | : |
|-----------------------------------|--------------|
| • Gender | : |
| Qualification | : |
| Designation | : |
| • Department | : |
| Institution | : |
| Address for Co | mmunication: |
| | |
| | PIN |
| • E-mail | : |
| • Phone (Off.) | : |
| Mobile No. | : |
| | Declaration |

I declare that all the details furnished above are true to the best of my knowledge and I

agree to abide by the rules and regulations governing the conduct of programme.

Date:

Signature of the Applicant

Sponsorship certificate

Dr./Mr/Mrs/Ms

is an employee of our Institute and is hereby sponsored by us. He/She will be permitted to attend the online FDP, if selected.

Signature with seal of Head of the Institution /organization

REGISTRATION DETAILS

- Maximum of 100 participants are permitted to
 attend
- WhatsApp and meeting link will be intimated through E-mail.
- Registration fee of Rs.150/- (Non-Refundable, Pay using UPI ID or Scan QR Code given below).
- Submit the payment screenshot and transaction details using the registration link.

UPI ID & QR CODE

- UPI ID: sakthipolytechnic@sbi
- Name: Sakthi Polytechnic College



CERTIFICATION

The e-Certificate will be provided to the participants those who are securing minimum attendance and assessment marks.

LINK FOR REGISTRATION FORM

Click the link below for registration

https://forms.gle/qx\$dFy34nnFzM9LF6

Any queries Contact: +91 9551386738,

+91 9940771643

PROGRAM OVERVIEW

- Introduction to CFD and ANSYS Fluent.
- ANSYS Workbench Interface.
- · Geometry Creation using ANSYS Design Modeler
- ANSYS Meshing, Mesh Quality Parameters.
- Setting Up the CFD Simulation in ANSYS Fluent
- Turbulence Modeling
- 2D and 3D Fluid Flow Simulations.
- 2D and 3D Heat Transfer Simulations.
- Multiphase flow & User Defined Functions (UDF).

PROGRAM SCHEDULE

DAY 1 (27.02.2024)

- Session #1 (10 am to 12 pm) : Introduction to CFD, ANSYS Workbench & ANSYS Fluent.
- Session #2 (02 pm to 04 pm): Geometry Creation using ANSYS Design Modeler, ANSYS Meshing, Mesh Quality Parameters.

DAY 2 (28.02.2024)

- Session #1 (10 am to 12 pm) : Setting Up the CFD Simulation.
- Session #2 (02 pm to 04 pm): 2D & 3D Fluid Flow and Heat Transfer Simulation.

DAY 3 (29.02.2024)

- Session #1 (10 am to 12 pm) : 3D Fluid Flow and Heat Transfer Simulation, Multiphase flow & UDF.
- Session #2 (02 pm to 04 pm) : Multiphase flow, UDF, Assessment, Feedback & Valediction.
 - *All sessions will be handled by the coordinator*

- Total 59 participants registered through google form.
- All the 59 participants were shortlisted, approved and intimated.
- List of Approved Participant are tabulated below,

| Sn | Sal. | Name with Initial | Designation | College Name |
|----|-------|---------------------------|-------------------------|--|
| 1 | Mr. | MANIKANDAN R | LECTURER | K S R POLYTECHNIC COLLEGE, TIRUCHENCODE, NAMAKKAL -637 215. |
| 2 | Mr. | B SELVASUNDARAM | LECTURER | SANKAR POLYTECHNIC COLLEGE, SANKAR NAGAR |
| 3 | Mr. | VIJAYAKUMAR A | LECTURER | SRI DURGADEVI POLYTECHNIC COLLEGE, KAVARAIPETTAI |
| 4 | Mr. | ALWIN ANTO | STUDENT | NSS COLLEGE OF ENGINEERING, PALAKKAD |
| 5 | Mr. | AKSHAY A | STUDENT | NSS COLLEGE OF ENGINEERING, PALAKKAD |
| 6 | Mr. | ABHIRAM SONU T | STUDENT | NSS COLLEGE OF ENGINEERING, PALAKKAD |
| 7 | Mr. | ABHINAV V S | STUDENT | NSS COLLEGE OF ENGINEERING, PALAKKAD |
| 8 | Mr. | BHUVANESH M | RESEARCH SCHOLAR | CEG CAMPUS, ANNA UNIVERSITY |
| 9 | Prof. | VIPULKUMAR B GONDALIYA | ACADEMIC HEAD | OM ENGINEERING COLLEGE, JUNAGADH, GUJARAT |
| 10 | Mr. | EZHILARASAN MURUGAN | RESEARCH SCHOLAR | COLLEGE OF ENGINEERING GUINDY, ANNA UNIVERSITY |
| 11 | Mr. | S BALA MOHAN | LECTURER | GOVERNMENT POLYTECHNIC COLLEGE -SIMHADRIPURAM |
| 12 | Mr. | RAMESH ANANDHAN P | STUDENT | DR.MAHALINGAM COLLEGE OF ENGINEERING AND TECHNOLOGY, POLLACHI 642003 |
| 13 | Dr. | ABHISHEK JAIN | PROFESSOR & PRINCIPAL | ADINA INSTITUTE OF SCIENCE & TECHNOLOGY SAGAR (M.P.) 470002) |
| 14 | Dr. | M.MUTHUKANNAN | PROFESSOR | SSM INSTITUTE OF ENGG AND TECH, DINDIGUL |
| 15 | Mr. | SEENIVASAPERUMAL V | ASSISTANT PROFESSOR | SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY, DINDIGUL. |
| 16 | Mr. | NARESH KUMAR | PHD RESEARCH SCHOLAR | AMITY UNIVERSITY RAJASTHAN, JAIPUR - INDIA 303002 |
| 17 | Mr. | VIVEK KUMAR SHARMA | ASSISTANT PROFESSOR | THE ICFAI UNIVERSITY, HIMACHAL PRADESH |

| Sn | Sal. | Name with Initial | Designation | College Name |
|----|-------|-----------------------------|---------------------------------------|--|
| 18 | Mr. | ASHVEER SINGH | ASSISTANT PROFESSOR | ARYA COLLEGE OF ENGINEERING & I.T. |
| 19 | Mr. | ABHAY RAJAN | ASSISTANT PROFESSOR AD HOC | NSS COLLEGE OF ENGINEERING PALAKKAD |
| 20 | Mr. | VISHAL CHANDEL | WORKSHOP SUPERINTENDENT(M.E.) | GOVT. POLYTECHNIC SUNDER NAGAR, MANDI, HIMACHAL PRADESH |
| 21 | Mrs. | FARAH NAAZ KAZMI | H.O.D (MECHANICAL ENGG.) | GOVT. POLYTECHNIC SUNDER NAGAR, MANDI, HIMACHAL PRADESH |
| 22 | Mr. | LOVE KISHORE | WORKSHOP SUPERINTENDENT(M.E.) | GOVT. POLYTECHNIC SUNDER NAGAR MANDI, HIMACHAL PRADESH |
| 23 | Mr. | TEJENDER DEV BRARI | WORKSHOP SUPERINTENDENT(M.E.) | GOVT. POLYTECHNIC SUNDER NAGAR, MANDI, HIMACHAL PRADESH |
| 24 | Mr. | S.SRINIVASAN | LECTURER | THIAGARAJAR POLYTECHNIC COLLEGE, SALEM |
| 25 | Prof. | HEMANT P. PATHADE | ASSISTANT PROFESSOR | AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER |
| 26 | Mr. | GOWRISANKAR N | LECTURER | KONGU POLYTECHNIC COLLEGE, PERUNDURAI, ERODE-638060 |
| 27 | Mr. | SARVALINGAMOORTHY P | HOD (REGULAR) | KONGU POLYTECHNIC COLLEGE, PERUNDURAI, ERODE-638060 |
| 28 | Mr. | MYILSAMY P | LECTURER | KONGU POLYTECHNIC COLLEGE, PERUNDURAI, ERODE-638060 |
| 29 | Mr. | SHANMUGASUNDARAM A | LECTURER | KONGU POLYTECHNIC COLLEGE, PERUNDURAI, ERODE- 638060 |
| 30 | Mr. | GOPALAKRISHNAN M | HOD (REGULAR) | KONGU POLYTECHNIC COLLEGE, PERUNDURAI, ERODE-638060 |
| 31 | Mr. | P SAKTHIVEL | HOD (REGULAR) | MUTHAYAMMAL POLYTECHNIC INSTITUTION, RASIPURAM, NAMAKKAL-637408 |
| 32 | Mr. | VIRENDER PAUL | LECTURER MECHANICAL ENGINEERING | GOVERNMENT POLYTECHNIC SUNDERNAGAR |
| 33 | Mr. | VANKUDOTH VISHNU VARDHAN | STUDENT | GLOBAL INSTITUTE OF ENGINEERING AND TECHNOLOGY, MOINABAD CHILKURU BALAJI |

| Sn | Sal. | Name with Initial | Designation | College Name |
|------|----------|--------------------|----------------------|-------------------------------|
| | | | | GLOBAL INSTITUTE OF |
| 34 | Mr. | P SAI KUMAR REDDY | STUDENT | ENGINEERING & TECHNOLOGY |
| | | | | CHILKUR ROAD MOINABAD 501504 |
| | | VICE AVATU CUNII | | GLOBAL INSTITUTE OF |
| 35 | Mr. | VISLAVATH SUNIL | STUDENT | ENGINEERING AND TECHNOLOGY, |
| | | KUMAR | | MOINABAD, CHILKUR. |
| 26 | 14. | DATTH DALH CHANG | DECEADOU COLOL AD | AMRUTVAHINI COLLEGE OF |
| 36 | Mr. | DATTU BALU GHANE | RESEARCH SCHOLAR | ENGINEERING, SANGAMNER |
| | | MOHAMMED ADDIH | | GLOBAL INSTITUTE OF |
| 37 | Mr. | MOHAMMED ABDUL | STUDENT | ENGINEERING AND TECHNOLOGY, |
| | | FAAZ MALIK | | MOINABAD, RANGAREDDY. |
| 38 | Ms. | GOURI BHASALE | ASSISTANT PROFESSOR | ARMY INSTITUTE OF TECHNOLOGY |
| | | | | AMRUTVAHINI ENGINEERING |
| 39 | Ms. | NIKITA ARUN GOPALE | STUDENT | COLLEGE SANGAMNER |
| | | | | SAKTHI POLYTECHNIC COLLEGE, |
| 40 | Mr. | D.MAHENDRAN | LECTURER | SAKTHI NAGAR, ERODE |
| | | | UNDERGRADUATE | TECHNO INDIA NJR INSTITUTE OF |
| 41 | Mr. | MAHEEP PALIWAL | STUDENT | TECHNOLOGY UDAIPUR |
| 40 | | DD 11W 1 D GD 1GV | AND ED CD ADVANTE | TECHNO INDIA NJR UDAIPUR |
| 42 | Mr. | PRAHLAD SINGH | UNDERGRADUATE | RAJASTHAN |
| | | | LINDEDCDADIIATE | TECHNO INDIA NJR INSTITUTE OF |
| 43 | Mr. | VAIBHAV PUROHIT | UNDERGRADUATE | TECHNOLOGY, UDAIPUR |
| | | | STUDENT | (RAJASTHAN) |
| 4.4 | D., | JYOTHI SANKAR P R | A CCOCLATE DROEECCOR | NSS COLLEGE OF ENGINEERING, |
| 44 | Dr. | JYOTHI SANKAR P K | ASSOCIATE PROFESSOR | PALAKKAD |
| 15 | D., | AVACII A D | POST DOCTORAL | NITE CLID A THE A L |
| 45 | Dr. | AKASH A R | FELLOW | NITK SURATHKAL |
| 46 | M., | ICACIVIMAD | LECTURER | SAKTHI POLYTECHNIC COLLEGE, |
| 40 | Mr. | J SASIKUMAR | LECTURER | SAKTHI NAGAR |
| 47 | M | ADUINAV ADIM | CTHENT | NSS COLLEGE OF ENGINEERING, |
| 47 | Mr. | ABHINAV ARUN | STUDENT | PALAKKAD |
| 40 | \ | ADHING | CTHENT | NSS COLLEGE OF ENGINEERING, |
| 48 | Mr. | ARJUN G | STUDENT | PALAKKAD |
| 40 | 1.4 | IZOWCIHIZD A LA T | COLUDENT | DR.MAHALINGAM COLLEGE OF |
| 49 | Mr. | KOWSHIKRAJA T | STUDENT | ENGINEERING AND TECHNOLOGY |
| 50 | 1.4 | VINIEZ V M | ASSISTANT PROFESSOR | NSS COLLEGE OF ENGINEERING |
| | Mr. | VIVEK V M | ADHOC | PALAKKAD |
| | | | STUDENT | TECHNO INDIA NJR INSTITUTE OF |
| 51 N | Mr. | PAWAN JAIN | | TECHNOLOGY UDAIPUR |
| | | | | RAJASTHAN |

| Sn | Sal. | Name with Initial | Designation | College Name |
|----|-------|--------------------------|---------------------|--|
| 52 | Mr. | WADINDEW C | COLUDENT | DR MAHALINGAM COLLEGE OF |
| 32 | MIT. | VARUNDEV S | STUDENT | ENGINEERING AND TECHNOLOGY |
| | | | | TECHNO INDIA NJR INSTITUTE OF |
| 53 | Mr. | ADITYA VAGERWAL | UNDER GRADUATE | TECHNOLOGY, UDAIPUR |
| | | | | RAJASTHAN |
| 54 | Mr | Mr. KUNAL GURJAR STUDENT | STUDENT | TECHNO INDIA NJR INSTITUTE OF |
| 34 | IVII. | | STODENT | TECHNOLOGY, KALADWAS |
| 55 | Mr. | JAY VERMA | STUDENT | TECHNO INDIA NJR INSTITUTE OF |
| | 1411. | JAI VEKWA | STODENT | TECHNOLOGY |
| 56 | Mr. | DEVADATH | STUDENT | NSS COLLEGE OF ENGINEERING |
| | 1411. | GOPAKUMAR | STODEIVI | PALAKKAD |
| 57 | Ma | RENJITH RAJ | ASSISTANT PROFESSOR | VIDYA ACADEMY OF SCIENCE AND TECHNOLOGY, THRISSUR, KERALA |
| 37 | Mr. | RENJITH KAJ | ASSISTANTINOPESSOR | 680501 |
| | | | | SANKARA POLYTECHNIC COLLEGE , |
| 58 | Mrs. | JEYACHITRA L | HOD | SARAVANAMPATTY, COIMBATORE - |
| | | | | 641035 |
| 59 | Mr. | NUMAN AHAMED N | STUDENT | BMS COLLEGE OF ENGINEERING, |
| | | | | BASAVANGUDI |

• An official WhatsApp group has been created for seamless communication between the organizers and the participants.



• FDP schedule, Inaugural invitation and agenda was shared to all the participants through WhatsApp group.

The Chief guest Dr. N.M.Sivaram B.E., M.Tech., PhD., Assistant Professor,
 Department of Mechanical Engineering, National Institute of Technology
 (NIT), Puducherry was invited to inaugurate the FDP.





SAKTHI POLYTECHNIC COLLEGE

SAKTHI NAGAR - 638 315
DEPARTMENT OF MECHANICAL ENGINEERING
Govt Aided & NBA Accredited



FACULTY DEVELOPMENT PROGRAMME ON CFD SIMULATION USING ANSYS FLUENT"

INAUGURAL CEREMONY AGENDA

TUESDAY 27 FEBRUARY 9.30 AM - 10.00 AM

"The only way to get started is to quit talking and begin doing." - Walt Disney

01

WELCOME ADDRESS Mr.P.kanagaraj, Lecturer, Department of Mechanical Engineering, Sakthi Polytechnic College, Sakthi Nagar - 638 315.

02

PRESIDENTIAL ADDRESS

Dr.N.Thangavelu, Principal Sakthi Polytechnic College, Sakthi Nagar - 638 315.

Sakthi Nagar - 638 315.

03

ABOUT CHIEF
GUEST

Dr.A.Shyam, Lecturer, Department of Mechanical Engineering, Sakthi Polytechnic College,

04

CHIEF GUEST

Dr.N.M.Sivaram B.E.,M.Tech.,Ph.D., Assistant Professor, Department of Mechanical Engineering, National Institute of Technology,Puducherry Karaikal - 609 609.

05

VOTE OF THANKS

Mr.P.kanagaraj, Lecturer, Department of Mechanical Engineering, Sakthi Polytechnic College, Sakthi Nagar - 638 315.



SAKTHI POLYTECHNIC COLLEGE

SAKTHI NAGAR - 638 315
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FACULTY DEVELOPMENT PROGRAMME ON"CFD SIMULATION USING ANSYS FLUENT"

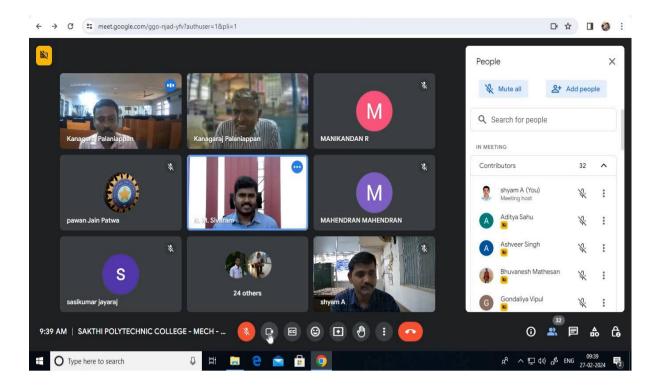
FDP SCHEDULE

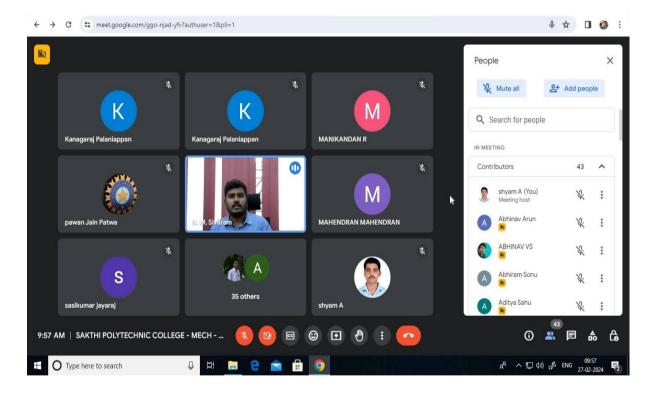
SESSIONS WILL BE HANDLED BY Dr.A.SHYAM

"You may delay, but time will not." - Benjamin Franklin

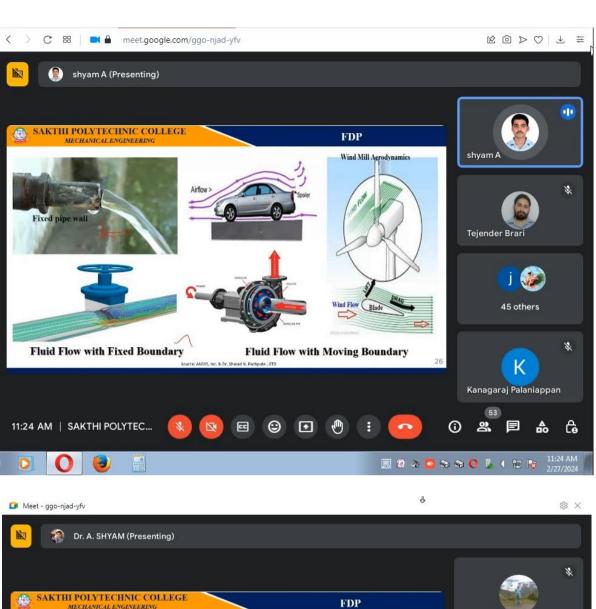
| Date | Session | Time | Topic |
|----------|---------|-----------------------|---|
| 27.02.24 | 1 | 10 .00A.M TO 12.00 PM | Introduction to CFD, ANSYS Workbench & ANSYS Fluent. |
| 27.02.24 | п | 2.00 P.M TO 4.00 PM | Geometry Creation using ANSYS Design Modeler, ANSYS Meshing, Mesh Quality Parameters. |
| 28.02.24 | 1 | 10 .00A.M TO 12.00 PM | Setting Up the CFD Simulation. |
| 28.02.24 | II | 2.00 P.M TO 4.00 PM | 2D & 3D Fluid Flow and Heat Transfer Simulation. |
| 29.02.24 | 1 | 10 .00A.M TO 12.00 PM | 3D Fluid Flow and Heat Transfer Simulation, Multiphase flow & UDF. |
| 29.02.24 | II | 2.00 P.M TO 4.00 PM | Multiphase flow, UDF, Assessment, Feedback & Valediction. |

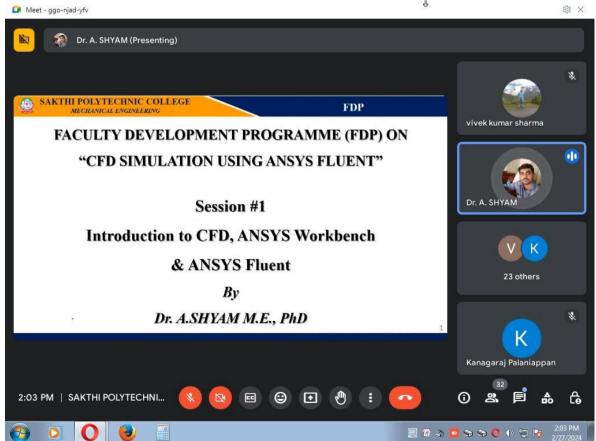
• On the first day (27.02.2024), the inaugural ceremony was conducted in the presence of Dr. N.Thangavelu, Principal, Dr. N.M.Sivaram, Chief Guest, Dr.A.Shyam, Coordinator and Mr. P.Kanagaraj, Co-coordinator.

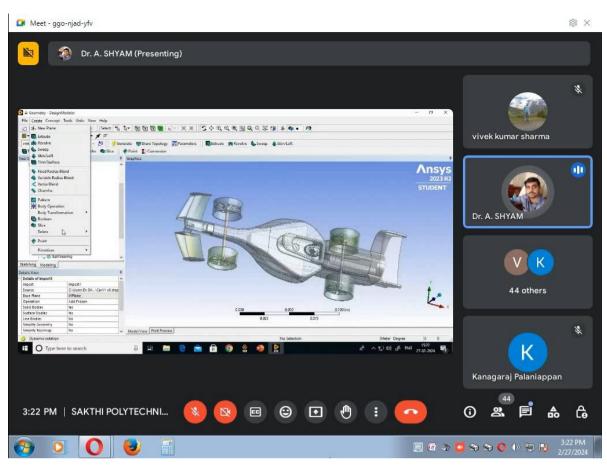


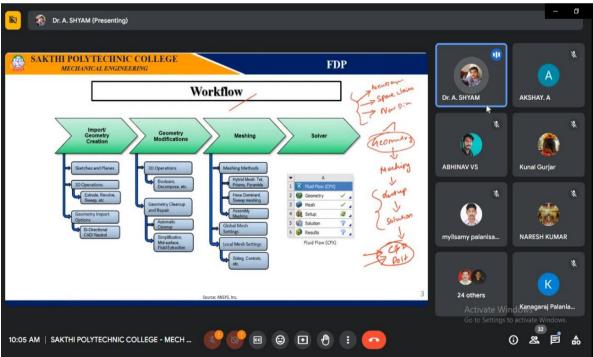


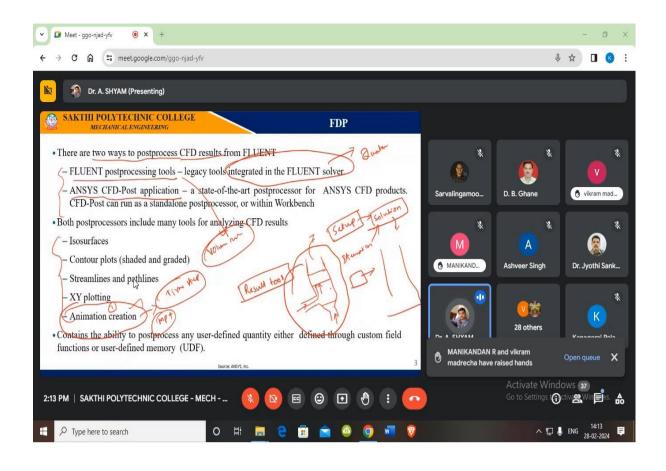
- The Coordinator of the programme welcomed all the participants and initiated the first session.
- At the end of each session, feedback cum attendance form has been collected (google form) from the participants for rendering their views.
- The screenshot of some session are as below,

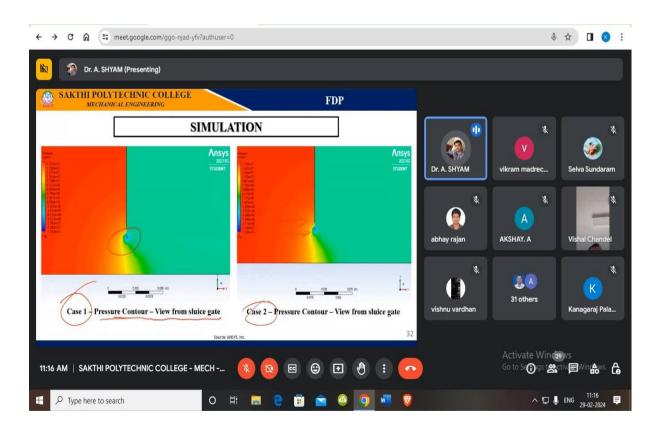


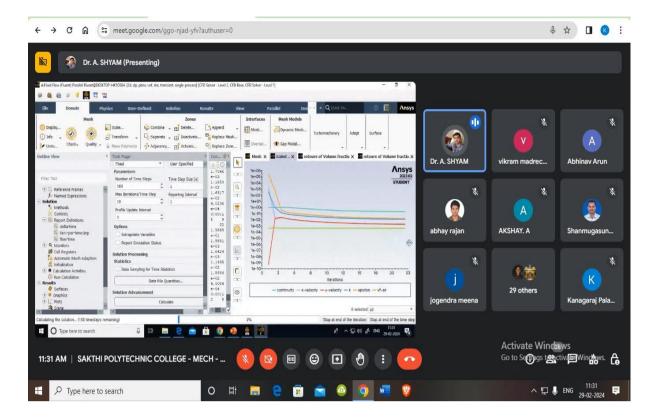




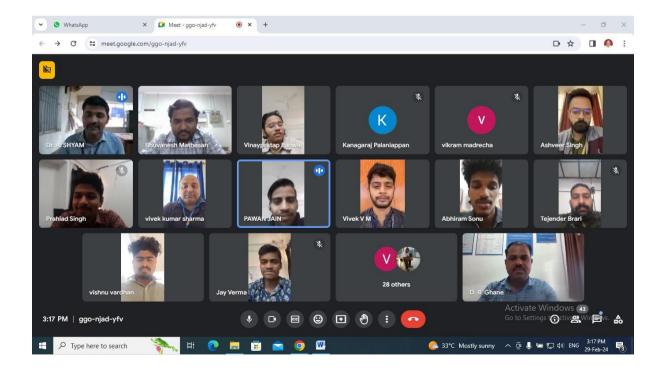


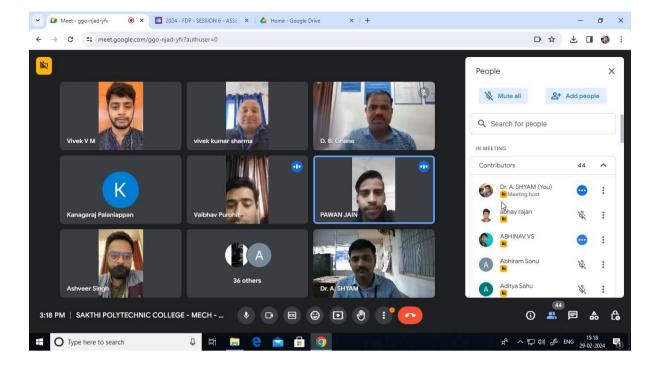




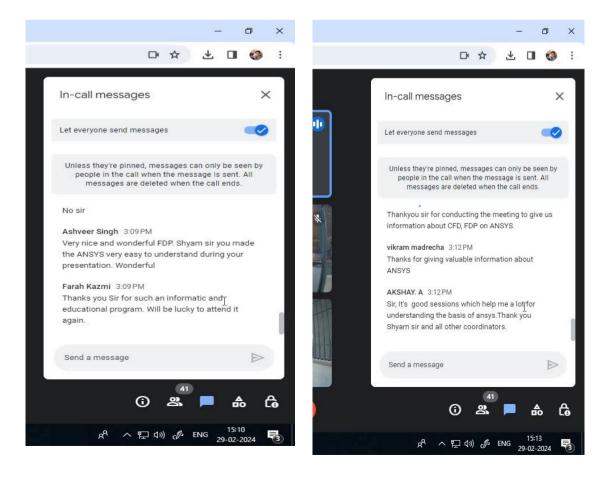


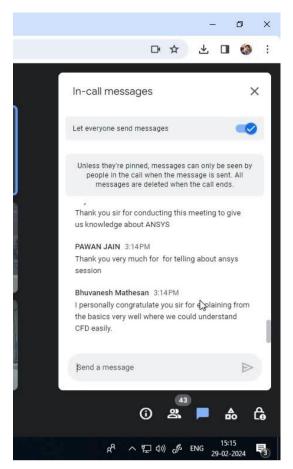
- On the final day (29.02.2024), a test has conducted for assessing the knowledge transfer to participants from 2pm to 3pm.
- The Valediction was conducted in the presence of Dr.A.Shyam, Coordinator and Mr. P.Kanagaraj Co-coordinator. Group photos also been taken.





• The participant Mr. Dattu Balu Ghane, Lecturer in Mechanical Engineering, Government Polytechnic, Awasari (Khurd), Tal-Ambegaon, Dist-Pune provided excellent feedback about the FDP. Other participants provided their feedback in the chatbox and WhatsApp group are listed below,







• The e-certificate for the eligible 56 participants (having minimum attendance and assessment marks in the test) was issued on 09.03.2024 (Saturday). The sample certificate is given below





CERTIFICATE

THIS IS TO CERTIFY THAT

Mr. MANIKANDAN R

LECTURER

KSR POLYTECHNIC COLLEGE, TIRUCHENCODE, NAMAKKAL - 637 215.

has participated in three day Faculty Development Programme on "CFD SIMULATION USING ANSYS FLUENT" from 27.02.24 to 29.02.24 organised by the Department of Mechanical Engineering, Sakthi Polytechnic College, Sakthi Nagar, Erode, Tamilnadu through Online Mode.

Dr.A.Shyam Coordinator

Dr.N.Thangavelu Principal

Issue Date: 09.03.2024 e-Certificate No: SPC-MECH-FDP-2024-P01

- The registration fees of Rs. 150/- has been collected from each participant. Total amount of Rs. 8850/- has been generated through this FDP.
- The Department of Mechanical Engineering, Sakthi Polytechnic College, Sakthi Nagar, Erode, Tamil Nadu, wishes to thank our Management and Principal for given approval to conduct this three-day online FDP and providing a platform to disseminate the knowledge on ANSYS FLUENT to the faculty members of the Government Polytechnic College, Government Engineering College, Research scholars, UG and PG Students.