

SABANAYAGAM SUNDARAM

Address: 73/1303, Rajaji Nagar II Street, MC Road, Thanjavur .

Phone: +91-9443228702

Email: sundaramsabanayagam@gmail.com



As a disciplined person, I look forward to a position to take the institution to the peak of success with my smart work & to the development of my life simultaneously.

Experience

02/01/2019 – Till Date

ASSISTANT PROFESSOR

KINGS COLLEGE OF ENGINEERING, THANJAVUR

Accomplishing regular academic activities and institutional responsibilities, successfully framed a new syllabus and got approved from the Director-Centre for academics, Anna University-Chennai.

28/12/2017 – 29/12/2018

RESEARCH ASSOCIATE

COLLEGE OF FISHERIES ENGINEERING, NAGAPATTINAM

Successfully designed and fabricated machines for Fish Descaling, Filletting and slicing operations under NADP Project scheme. Provided SolidWorks addon course for nearby Institutions along with own prepared manual.

22/02/2016 – 30/11/2016

ASSISTANT PROFESSOR

E.G.S PILLAY ENGINEERING COLLEGE, NAGAPATTINAM

Along with academic activities and Institutional responsibilities, worked towards obtaining NBA, NAAC and Autonomous accreditation and status for the institution.

Education

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|--|------------------------|
| • JUNE 2015 | University Rank 23, |
| • M.E-MANUFACTURING ENGINEERING | 8.59 CGPA - First |
| • E.G.S PILLAY ENGINEERING COLLEGE, NAGAPATTINAM | Class with Distinction |
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| • APRIL 2013 | 8.01 CGPA - First |
| • B.E-MECHANICAL ENGINEERING | Class |
| • AVC COLLEGE OF ENGINEERING, MANNAMPANDAL | |
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| • MARCH 2009 | 84.33 % - First Class |
| • HIGHER SECONDARY SCHOOL CERTIFICATE | |
| • NIVEDHA MATRICULATION HIGHER SECONDARY SCHOOL, PORAYAR | |
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| • APRIL 2007 | 85.43 % - First Class |
| • SECONDARY SCHOOL LEAVING CERTIFICATE | |
| • NIVEDHA MATRICULATION HIGHER SECONDARY SCHOOL, PORAYAR | |

Achievements

- **Framed a course for Engineering students** and got approved from Centre for academics, Anna University, Chennai. (**MVA010-Energy Resources & Management**).
- Got **23rd University Rank** in Postgraduate (ME-Manufacturing Engineering) and appreciation **rank certificate** and medal from Anna University, Chennai.
- Got **school second rank** in both SSLC and HSC during schooling at Nivedha Matriculation Higher Secondary School, Porayar.
- Got **black belt** in **karate** Shito Ryo style during schooling.

Responsibilities at Work

- Parents Teachers Association Coordinator
- Department Research Coordinator
- GATE / Competitive Exams Coordinator
- Department Faculty Meeting organizer
- Counsellor for 25 Students at Every Year
- Value Added Course coordinator
- Class Committee Chair Person

Software Skills / Technical Skills

- AutoCAD
- SolidWorks
- Pro-E
- ANSYS
- MS office 2007
- MS office 2016
- Openshot Editor
- OBS Streaming

Projects

Research

- Study of High temperature material Inconel, P91 and SS316 under surface modification by Structural Characterization and thermal cyclic loading.

M.E Project

- Experimental Investigation of High temperature Hot Corrosion behavior of P91 steel.

B.E Projects

- Experimental investigation of Capillary Pumped loop using various low boiling fluids.
- Design of sand sieve cum mixer machine.

Certifications

- Completed certificate course on “Basic modeling using Pro-E Wildfire 5.0” in PSG College of Technology, Peelamedu, Coimbatore.
- Presented a lecture on Nanocoating and its applications in ISTE staff chapter in Kings college of Engineering and got appreciation certificate.

Area of Interest

- Strength of Materials
- Machine Design
- Manufacturing Technology
- Robotics
- Process Planning & Cost Estimation
- Automobile Engineering

National/International Journals

- **“Mechanical Properties of Aluminium Metal Matrix Composites Using Stir Casting Method”**, in Journal of Huazhong University of Science and Technology, Volume 50, Issue 03, March-2021.
- **“Analysis of High Temperature oxidation behaviour of SS316 by Al₂O₃ and Cr₂O₃ Coating”** in Materials Today Proceedings-Elsevier Volume 33, Part 7, 2020, Pages 2641-2645.
- **“Experimental investigation of high temperature hot corrosion behaviour of P91 steel”** in International Journal of Applied Engineering Research (IJAER) Volume 10, Number 51 (2015).

National/International Conferences

- Presented a paper titled, **“Experimental Investigation of High Temperature Hot corrosion behavior of P91 steel”** at International conference on Applied Mechanics and Mechanical Engineering 2015 in E.G.S Pillay Engineering College, Nagapattinam.
- Presented a paper titled, **“Experimental Investigation & Analysis of Capillary Pumped Loop using various low boiling point fluids”** in National conference on recent trends in Mechanical Engineering 2016 at New Prince Shri Bhavani college of Engineering & Technology, Chennai,
- Presented a paper titled, **“Analysis of Hot corrosion behavior of super critical fossil fuel power plant material P91 at temperature of 650⁰C & 700⁰C”** in NCEIME 2016 at E.G.S Pillay Engineering College, Nagapattinam,
- Presented a paper titled, **“Hot corrosion behavior of super heater material 304 for fossil fuel power plants”** at National conference on emerging innovations in Mechanical Engineering 2015 at E.G.S Pillay Engineering College, Nagapattinam.

Faculty Development Program

- Attended **“Green Technology & Sustainability Engineering”** from 2021-1-19 to 2021-1-23 at Gautam Buddha University through AICTE Training and Learning.
- Attended **“Internet of Things (IoT)”** from 2021-1-25 to 2021-1-29 at Kongunadu College of Engineering and Technology through AICTE Training and Learning.
- Attended **“Training for Social Connectedness & Inspiration”** from 2021-2-1 to 2021-2-5 at Ramakrishna Mission Vivekananda Educational & Research Institute Faculty of Disability Management and Special Education through AICTE Training and Learning.
- Attended **“Non-Traditional Machining”** as five days faculty development programme conducted by NITTTR Chennai from 25.01.2021 to 30.01.2021.
- Attended **“Solar, Wind and Bio energy Applications”** as five days faculty development programme conducted by NITTTR Chennai from 04.01.2021 to 08.01.2021.
- Attended **“Refresher course on Energy, Thermal, Refrigeration & Air-conditioning”** as five days faculty development programme conducted by NITTTR Chennai from 14.12.2020 to 18.12.2020.
- Attended five days faculty development program on **“AUTODESK-2016”** conducted by ICTACT from 21-11-2016 to 25-11-2016 at PET Engineering College, Vallioor.

Workshops

- Participated in one day international workshop on “**Additive Manufacturing Iwam-2016**” on 28th Sep 2016 by Centre of Research & Development & Department of Mechanical Engineering, E.G.S Pillay Engineering College, Nagapattinam.
- Participated in one day national workshop on “**Application of modeling & simulation technique to practical fields of Mechanical Engineering**” on 12-12-2014, organized by Department of Mechanical Engineering, E.G.S Pillay Engineering College, Nagapattinam.
- Participated in two days’ workshop titled “**Research methods and tools**” from 06-11-2014 & 07-11-2014, organized by Department of Mechanical Engineering, A.V.C College of Engineering, Mannampandal.
- Participated in one day course on “**Structural Characterization**” on 14th Oct 2014, organized by National Institute of Technology, Tiruchirappalli.

In Plant Trainings/Industrial Visits

- Undergone in-plant training to Dharani sugars and chemicals, Thirunelveli.
- Undergone industrial visit to Shanthi gears, Coimbatore.
- Underwent ISRO museum, Mahendragiri as an industrial visit.

Personal Details

Father’s Name : Mr. T. Sundaram
Date of Birth : 23rd October 1991
Gender : Male
Marital Status : Married
Nationality : Indian
Languages : Tamil, English
Passport : Z2993663
Skype ID : [live:sundaramsabanayagam](skype:live:sundaramsabanayagam)

Hobbies

- Making lectures with own YouTube Channel
- YouTube Channel: Saba’s Academy 2020
- Video Editing
- Modeling
- Presentation making
- Music & Social networks
- Badminton

Declaration

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

Place: Thanjavur
Date: 06.09.2022

Yours truly,
-Sd/

(S. SABANAYAGAM)