

NANDHA ENGINEERING COLLEGE, ERODE-52 (AUTONOMOUS)

Fuel Cell Research Lab

The Fuel Cell Research Lab is enriched by fund about 24.7 lakh that sanctioned by AICTE to enhance the research activities such as Design and Development of Proton Exchange Membrane Fuel Cell with Novel Cathode Flow Field for Better Water Management and High Performance

Funding Agency	: AICTE-Research Promotion Scheme
Funding Amount	: Rs. 24,70,588/- (Rs.24.7 Lakhs)
Project Sanction Number	: 8-33/RIFD/RPS/ POLICY–1/2016-17
Project Title	: Design and Development of Proton Exchange Membrane Fuel Cell with Novel Cathode Flow Field for Better Water Management and High Performance

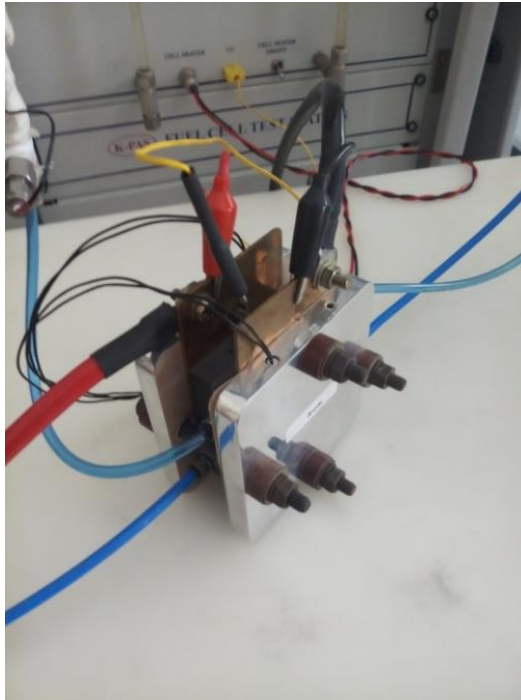
FUEL CELL TEST STATION



NITROGEN, OXYGEN AND HYDROGEN GAS CYLINDERS



SINGLE CELL PEM FUEL CELL



MAJOR EQUIPMENTS EMPOWERING FUEL CELL RESEARCH LAB

- ✓ **Fuel Cell Test Station – Rs. 19 Lakh**
- ✓ **Hot Pressing Machine – Rs. 2 Lakh**

Lab photo:



E- Content developed by Faculty

S. No.	Faculty	You Tube link
1	Dr. Muthukumar M	https://youtu.be/8ofrSzWPGp4?si=aTGxEfwzsHpbPy27
2	Dr. Muthukumar M	https://youtu.be/I9VytgJ6wQE?si=gf5G25ZQjXUaG7gr
3	Dr. Muthukumar M	https://youtu.be/j2FLpdR0gt4?si=ZZQ7WO4XBueQWU0B
4	Dr. Easwaramoorthi M	https://youtu.be/OY3Veq7Jsa8?si=AaHxQm-4OgfaZbgM

5	Dr. Ashok kumar B	https://youtu.be/LiBQ9mk5eaw
6	Dr. Senniangiri N	https://youtu.be/xGPZi7WbF9E?si=1KIAInfosf0qcEbs
7	Dr. Magibalan S	https://youtu.be/6OZs8XRSGpE?si=uMN8hhvbvviAFvMP
8	Dr. Magibalan S	https://youtu.be/KWGL8yRFumI
9	Mr. Sengottaiyan M	https://youtu.be/afJW6Fq-nKI
10	Mr. Ravichandran D	https://youtu.be/Ka5jNQ9T2Is?si=DoBGBWIemOucCwTj
11	Mr. Ravichandran D	https://www.youtubeeducation.com/watch?v=T5sWUw73qOc
12	Mr. Velliyangiri B	https://youtu.be/uJjtpDNy-wM?si=DXiOpjZV8okrt6hl
13	Mr. Velliyangiri B	https://youtu.be/hs-frvFdgMc?si=cWSpFrCXCqXw8mef
14	Mr. Velliyangiri B	https://youtu.be/VOISvvL-JFw?si=3NGpJ8DY993MQcD7
15	Mr. Arjun Raj R	https://youtu.be/Ffc5wmlyAug?si=t7Zg1zVx41tDe43e
16	Mr. Venkateshnan T	https://youtu.be/mXwXirmubx4
17	Dr. Manikandan M	https://youtu.be/QO2FTbzJHDU?si=6qwlGc1FM1W17s5r
18	Dr. Manikandan M	https://youtu.be/b51KKr7ZatA?si=NQbmrcofv82jQABg
19	Dr. Manikandan M	https://youtu.be/6ZpvQPAw-MI?si=qtitAqMOfauBove7
20	Dr. Manikandan M	https://youtu.be/EQApANxn0gs?si=59-iTyDFSsG4nj3t
21	Dr. Manikandan M	https://youtu.be/am2wJbSzprw?si=lgCMuTSFeylAniiC

22	Dr. Manikandan M	https://youtu.be/SHWkqUAboJ8?si=c1ujUe98qQUUxhzH
23	Dr. Manikandan M	https://youtu.be/r02OBUiLePA?si=qS9WLPE10CUtYFuq
24	Dr. Manikandan M	https://youtu.be/yLrUW6X2OL8?si=y9qyJOV5HyyTebWl
22	Dr. Manikandan M	https://youtu.be/Rkg7XAKRaoc?si=LZiKvIVmyyyjwK3P