

CAREER OBJECTIVE

Motivated Chemical Engineer willing to utilize technical knowledge in the Industry and get positive results.

INDUSTRIAL EXPOSURE

- **Polyplex Corporation Limited** *11/07/2018 - 10/08/2018*
Trainee Engineer

Gained knowledge of BOPET Chip Manufacturing, Offline Polyester Coating and Lean Manufacturing Techniques.

EDUCATION

- **M S Ramaiah College of Engineering**
Chemical Engineering Undergraduate
CGPA-8.55
2020
- **Saint Xavier's PU College**
Pre University College
82.67 %
2016
- **DDU Convent School**
Secondary School Certificate
82.24 %
2014

TECHNICAL SKILLS

- Aspen Hysys and Aspen Plus, MATLAB, Solid Edge, AutoCAD, C Programming and Microsoft Office.
- Troubleshooting and Analysis
- Excellent Communication & Team Work
- Renewable Sources of Energy

PROJECTS

- **Synthesis of Visible Light Driven Photo-catalyst for Hydrogen Generation** *6 Months*

Photo-catalyst is one of the cost effective way of Hydrogen generation.

It is mainly composed of Cadmium Sulfide which when dispersed in water in presence of day light resulted in highly efficient hydrogen generation.

It's cost effective method producing high purity hydrogen which could be used as a fuel in automotive sector.

- **Synthesis of a novel Photo-catalyst along with Design and Installation of Photo-reactor for Hydrogen Production.**

The urge for the best suited Photo-catalyst for hydrogen production lead us to the synthesis of new novel Molybdenum Sulfide-Cadmium Sulfide doped Photo-catalyst.

4 Months

Impressed by above research work, we got sponsorship from IISC Bangalore for our project to install photo-reactor at IISC. The above mentioned project was also selected for the funding by Karnataka State Council for Science and Technology(KSCST) and was the only project from RIT which was selected for online evaluation by KSCST during COVID-19 pandemic.

ACHIEVEMENTS & AWARDS

- Secured 1st prize in Poster Presentation on Photo-catalyst Hydrogen Production using Cadmium Sulfide at SASTRA University.
- Occupied 2nd Runner Position at Inter-departmental Pro-Kabaddi Tournament MSRIT.
- Represented Basketball Team at District Level.

INTERESTS

- Hydrogen Production and Storage
- Catalyst Synthesis and Photo Catalysis
- Water Treatment and Dye Degradation

PERSONAL STRENGTHS

Smart And Hard Working

PERSONAL PROFILE

- Date of Birth : 20/05/1998
- Marital Status : Single
- Nationality : Indian
- Known Languages : English, Hindi, Kannada, Marathi
- Hobby : Basketball, Music, Movies etc.
- Passport : Available

REFERENCE

Dr. Anand M Shivapuji - "Indian Institute of Science, Bangalore"
Research Scientist
anandms@iisc.ac.in
990177884

Mr. Ravi Rathod - "Converttek Papers"
Plant Head
converttek.rathod@gmail.com
8830549515

DECLARATION

I hereby affirm that the information furnished by me is correct and I accept full responsibility for the authenticity.

Date : 24/08/2020

Place : Bangalore



SUNDAR RATHOD

