

# SUJASH PRADHAN



M.Tech Chemical Engineer

Shift-in-Charge  
Allied Resin and Chemicals Limited

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Haldia, Purba Medinipur, W.B.  
Pin- 721 607

## Industrial Experience & Training

Feb'18-Now	Shift-in-Charge in <b>Allied Resin and Chemicals Limited (ARCL Organics LTD.)</b> (Production)
Mar'17-Feb'18	Management Trainee in <b>GTZ (India) Pvt. Ltd.</b> (R&D / Production)
July-Aug'16	Undergone summer internship program at " <b>Indian Oil Corporation Ltd.</b> ", <b>Haldia Refinery</b> and developed an understanding of the critical aspects of production of oil and gases from crude oil

## Job Role

In ARCL Organics LTD.	Executed raw material issuance, production scheduling and reporting to Plant Manager  Oversaw production in continuous Liquid Resin, Formaldehyde and its associate DCS Plant as well as Urea & Phenol Formaldehyde Resin Manual Plant  Managed a team of 4 Operators with 10 workmen to achieve the periodic production targets
In GTZ (INDIA) PVT. LTD.	Administered day to day activities in co-ordination with external/internal departments to ensure smooth production operation  Executed production scheduling with batch card preparation and raw material issuance  Oversaw production in Glass lined reactors, SS reactors  Product testing and development in Lab

## Industrial Projects

Mar-Apr'17	Participated in a project of making and new cleaners for steel mills and process dirt removal with Competitor activity monitoring with its production
May-June'17	Worked on synthesis of Cu, ZnO and Silver Nanoparticles with its application

July-Feb'18	Production of ZnO, Silver Nanoparticles solution and its quality testing	
<b>Instruments Handling</b>		
UV Spectroscopy	Operated UV–Spectroscopy (Model: OPTIZEN 3220UV) for getting presence of different particles present in a sample	
FTIR	Operated FTIR (Model: BRUKER ALPHA) for getting presence of different working chemical groups present in a sample	
TGA	Operated TGA (Model: HITACHI STA7200) for getting the biomass yield range in pilot plant test	
<b>Education</b>		
2018-20	Master of Technology, Chemical Engineering Rajabazar Science College, Calcutta University	72%
2013-17	Bachelor of Technology, Chemical Engineering Haldia Institute of Technology, West Bengal University of Technology	78%
2013	12 <sup>th</sup> (Higher Secondary Examination) West Bengal Council of Higher Secondary Education	79%
2011	10 <sup>th</sup> (Secondary Examination) West Bengal Board of Secondary Education	82%
<b>Academic Projects</b>		
Aug'19- Present	Researched project on <b>“Pyrolysis of Bio-degradable Municipal Waste”</b> to get bio-oil yield of 18MJ/kg	
Aug-Feb'16	Awarded best paper on <b>ZnO Nanoparticle Synthesis and Its Application: PRAYUKTI'16</b>	
Jan'16	Represented research work on <b>ZnO and its solar cell application in International Conference on Recent Trends in Energy Technologies'16</b>	
Jan'16	Researched on <b>“ Artificial Photosynthesis”</b> of making Hydrogen and presented in <b>International Conference on Recent Trends in Energy Technologies'16</b>	
Aug-Dec'15	Researched project on <b>Study of ZnO Nanoparticles and Its Characterization</b>	
Oct'15	Used techniques like XRD, SEM resulting an accuracy of making 95.6% ZnO nanoparticles awarded for best poster <b>“Synthesis of ZnO nanoparticle by Sol-Gel method and its Characterization”</b> in <b>National Seminar on Nano science and Nanotechnology: NSNN-2015</b>	
Sep'15	Participated in <b>SCHEMCON-2015</b> and presented the research paper	
<b>Technical Skills</b>		
Computer Skills	C Language, Data Structure, MS-Office	
Apr'15	Have secured 148 <sup>th</sup> position in BLITZKRIEG(Online Aptitude Test)at TELOS2015 of MYWBUT.COM	

## Extra-Curricular Activities

Jan-Feb'16	Made <b>Solar Tracker</b> and represented in <b>International Conference on Recent Trends in Energy Technologies'16 and PRAYUKTI'16</b>
Jan-Feb'15	Participated in <b>ROBOTIX</b> in <b>KSHITIJ 2015</b> and qualified for final, <b>IIT Kharagpur</b>
Nov'14	Participated in <b>PETROFIESTA 2014</b> and got a special appreciation in T-Shirt design competition, <b>IIT Kharagpur</b>
Apr'14	Won 2 <sup>nd</sup> stand in <b>YANTRIKI (UDDHARAK)</b> in <b>Prayukti 2014, HIT</b>
March'14	Have secured 6 <sup>th</sup> position in <b>KREATIONZ-PAINTING</b> at <b>TELOS 2014</b> of <b>MYWBUT.COM</b>
Jan-Feb'14	Participated in <b>ROBOTIX</b> in <b>KSHITIJ 2014, IIT Kharagpur</b>

## Personal Information

Gender	Male
Nationality	Indian
Marital status	Unmarried
Date of Birth	11 <sup>th</sup> January, 1995
Hobbies	Paintings (glass painting), Aviary, Robot making

**Career Interest:** A deeply driven and passionate Chemical Engineer, looking forward to get an opportunity to think creatively, use my organizational skills and educational background, thrive as a team player, and work with people.

**Declaration:** I hereby declare that the above information provided by me is correct.

*Sujash Pradhan*

(SUJASH PRADHAN)