

**SARASUWATHI RAJASEGAAN,**  
**UNIVERSITI TEKNOLOGI PETRONAS,**  
32610, Bandar Seri Iskandar,  
Perak Darul Ridzuan



UNIVERSITI  
TEKNOLOGI  
PETRONAS

22<sup>nd</sup> May 2016

Postal Address:

**No 86, Jalan Melati 11,**  
**Taman Sri Melati Selayang,**  
**68100 Batu Caves,**  
**Selangor Darul Ehsan**

To whom it may concern:

Dear Sir/Madam,

**Application for a Job Placement**

Referring to subject above, I am Sarasuwathi Rajasegaan (NRIC: 930204-10-5842), currently have completed by undergraduate studies in Bachelor of Engineering (Hons) Chemical Engineering at Universiti Teknologi Petronas (UTP). As a young motivated individual I am interested in submitting a job application related to my experience field of study.

2. In responding to the specific requirements for a job placement, I would like to highlight how my experience can demonstrate my ability and skills.
  - **Teamwork skills:** Demonstrates ability to convey thoughts and express ideas effectively in every phase of engineering and management project.
  - **Research & Development:** Analyzing and investigating the tabulated data and devising strategies to work towards a solution.
  - **Exceptional communication skills:** HSE auditor who understands the difference in company safety policy when working with potential service providers or colleagues.
3. In August 2015, I have completed my industrial internship in GlaxoSmithKline (GSK). Beyond my experiences and capabilities, my motivations include learning new things, the challenge of meeting the needs of an organizations and ensuring high quality outcomes.

I appreciate your time in looking through my resume and it will be a great pleasure for me to attend an interview at your convenient time.

Your contribution and support are highly respected.

Thank You.

Yours faithfully,

SARASUWATHI RAJASEGAAN  
Contact: +6014-6256231  
Email add: sarasu0402@gmail.com



**Availability:** Immediately

**Personal Details:**



**Date of Birth :**

4th February, 1993

**NRIC :** 930204-10-5842

**Gender :** Female

**Nationality :** Malaysian

**Marital Status :** Single

**Mailing Address:**



No, 86,  
Jalan Melati 11,  
Taman Sri Melati Selayang,  
68100 Batu Caves,  
Selangor.

# **SARASUWATHI RAJASEGARAN**

**BACHELOR OF ENGINEERING (HONS) CHEMICAL  
ENGINEERING**

**MAJOR: ENVIRONMENTAL ENGINEERING**

## **CAREER OBJECTIVE**

To perform, utilizing my skills and knowledge, in a manner which will lead to the successful growth of the organization and which will also land me in a successful career.

## **EDUCATION HISTORY**

UNIVERSITY/SCHOOLS	YEAR	GRADE
UNIVERSITI TEKNOLOGI PETRONAS	2011-2015	GPA : 3.50 CGPA : 3.22
S.M.K ST.MARY	2006-2010	SPM : 10A, 1B+ PMR : 8A
S.J.K (T) BATU CAVES	2000-2005	UPSR : 6A, 1B

## **PROJECTS**

### **FINAL YEAR PROJECT**

#### **MODEL PREDICTIVE CONTROL FOR TRACKING**

Analyze the effect of tuning parameters on the control controllers. It involves the latest economic issues in various process industries which has uses the application of control systems.

### **PLANT DESIGN PROJECT**

#### **DESIGN OF GLYCEROL-TO-EPICHLOROHYDRIN(GTE) PLANT**

Group work to produce an optimum production plant of epichlorohydrin. Involved process designing, instrumentation & control, safety, economic and cost estimation (opex & capex) and wastewater treatment plant.

**Mobile:**

014-6256231

**E-Mail:**

sarasu0402@gmail.com

**Languages Known:**

English, Malay, Tamil.

**INTERNSHIP & WORKING EXPERIENCES****GLAXOSMITHKLINE MALAYSIA*****Engineering Intern***

- Major task accomplished including monitor and troubleshoot utilities and wastewater treatment plant (WWTP)
- Designed a new layout for emergency shower station in order to reduce legionella
- Involved in audits of Engineering department, HSE department, Quality department and ISO audit
- Learnt on SOP documentations and applied

**Visited PETRONAS Penapisan Melaka** during field trip under chemical engineering department.

**Worked at PETRONAS Twin Tower KLCC Sky bridge** as a volunteer. Learned a lot of soft skills, communication skills and how to manage visitors.

**EXTRA CURRICULARS & ACHIEVEMENTS**

- **OPEN INNOVATION CHALLENGE(OIC) SEDEX 31ST**  
Won bronze medal and also best presenter group. Project title is Coal-microalgae fired power plant.
- **UTP RUN 2013**  
Run under UTP Convofair 2013 women open challenge for 10km. Won 11th placing.
- **UTP SPORTS CARNIVAL 2014**  
Road Relay (4x 3km) under female category. Won 2nd runner up representing chemical department.
- **UCRN FUTSAL COMPETITION**  
UTP Colors of Ranggoli Night organized futsal competition for female category. Won 1st runner up.
- **UTP COLORS OF RANGGOLI NIGHT 2012 & 2013**  
Performed classical dance and western dance for the event



### Software Skills:



Microsoft Office Word



Dev C++ Programming



Microsoft Office Excel



AutoCAD



Microsoft Power Point



MATLAB



Microsoft Office Publisher



Adobe Photoshop

## LEADERSHIP EXPERIENCES

- Assistant Director of Entrepreneurship & Sponsorship in IChemE-UTP-SC 2013-2014
- Director of Human Resource and Management in MAFEST 2014
- Secretary of SANGEETH 2013-2014
- EXCO of Performance department in UTP COLORS OF RANGGOLI NIGHT (UCRN) 2014

## ACADEMIC COURSES

### Chemical Engineering Core

- |  |   |
|--|---|
| • Physical Chemistry                         | • Unit Operation Lab I & II                             |
| • Organic Chemistry                          | • Chemical Process Dynamic, Instrumentation and Control |
| • Fluid Flow and Transport Process           | • Kinetics & Reactor Design                             |
| • Principles of Chemical Engineering         | • Engineering Economics and Entrepreneurship            |
| • Engineering Drawing                        | • Engineering Team Project                              |
| • Heat Transfer Design                       | • Process Plant Design                                  |
| • Mass Transfer Design                       | • Advanced Transport Process                            |
| • Chemical Engineering Thermodynamics        | • Process Instrumentation and Control Lab               |
| • Separation Process                         | • Health, Safety and Environment                        |
| • Analytical Chemistry                       |   |
| • Structured Programming and Database System |   |

### Specialization

- |                                      |
|--------------------------------------|
| • Air Pollution Engineering          |
| • Solid & Hazardous Waste Management |
| • Industrial Effluent Engineering    |

## REFEREES

DR. M. RAMASAMY  
Associate Professor  
Chemical Engineering Department  
Universiti Teknologi PETRONAS  
Bandar Seri Iskandar,  
31750, Tronoh,  
Perak Darul Ridzuan.  
Tel : 05-3687585  
Email :  
marappagounder@petronas.com.my

ASMIDI FARHAN BIN MASHAN  
Facility Engineer  
Colgate Palmolive (M) SDN.BHD  
Jalan Semangat seksyen 13  
46200, Petaling Jaya,  
Selangor Darul Ehsan  
Tel : 017-336 7750  
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asmidi\_farhan\_mashan@colpal.com



UNIVERSITI TEKNOLOGI  
PETRONAS

Out reference: UTP-REG/EXAM/EXP GRAD (16079)

13th May 2016

Dear Sir/Madam,

**EXPECTED TO GRADUATE FROM UNIVERSITI TEKNOLOGI PETRONAS**

With reference to this above, kindly be informed that **SARASUWATHI A/P RAJASEGAAN** expected to finish her studies in Jan 2016 semester from Universiti Teknologi PETRONAS.

Student ID	16079
Passport / I.C No	930204-10-5842
Nationality	MALAYSIA
Programme	Chemical Engineering
Current CGPA	3.19
Duration Study	4 years in Undergraduate programme
Expected Clearance	May 2016
Medium of Instruction	English

The student is expected to finish her studies in Jan 2016 semester provided she passed all courses registered in the current semester and obtained a minimum CGPA 2.00 and completed the minimum required credit hours.

It will be very much appreciated if you could render any assistance that she may require.

Thank you.

Yours sincerely,  
For Registrar,

**Suhaidah Binti Ismail**  
Manager  
Registrar and Examination  
Universiti Teknologi PETRONAS

**UNIVERSITI TEKNOLOGI PETRONAS**

**INSTITUTE OF TECHNOLOGY PETRONAS S.A.B. - B.H.S.**

(Kampus No. 35287510) Wilayah Persekutuan PETRONAS

**Main Campus** : 32610 Seri Iskandar, Perak Darul Ridzuan, Malaysia. Tel : 603-368-5000 Fax : 603-365-9075

**Branch Office** : Advanced Technology and Innovation Centre (ATIC), L5-1-2, Enterprise & Technology Park Malaysia (TEPM),

Johor Bahru Puchong - Sk. Bnei Bakhil Jalan, 77000 Kuala Lumpur, Malaysia Tel : 603-8994 1122 Fax : 603-8994 1193

[www.utp.edu.my](http://www.utp.edu.my)