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## Project Identification

<b>Project Identification</b>	Project Objectives	Research Background	Relevant Past Research	Research Approach	Project Schedule	Project Benefits
Research Collaboration	Contractual Matters	Staff Cost Estimation	Direct Expense Estimation	Project Cost	Project Funding	Curriculum Vitae
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**A. Project number**

01-02-12-SF0089

**B. Project title \***

|

Detection and Prediction of Lung Cancer using the zNose with the Support Vector Machine classifier.



**C. Project leader**

**Name:** Roselina Arelhi

**Designation:** Associate Professor

**NRIC:** 700609-08-6404

**D. Organisation**

**Name:** The University of Nottingham in Malaysia Sdn.Bhd.

**Address:**

University of Nottingham Malaysia Campus  
Jalan Broga

**Telephone:** 89248304

**Fax:** 89248013

**E. Key words** (Please provide a maximum of 5 key words that describe the research of the project. The key words will be incorporated in a database on Malaysian research) \*

1)|

Breath Test



2)|

volatile organic compounds (VOCs)



3)|

Multivariate Analysis



4)|

Support Vector Machine



5)|

Case Based Reasoning



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## Project Cost

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### A. Salaried Personnel costs

(Please include the yearly staff costs of the project. For computation, use the Staff Costs Estimated Form in Appendix C. Numbers in parentheses refer to expense codes). ScienceFund. does not cover salaried personnel costs

Staff Category	Year 1 (2010)	Year 2 (2011)	Year 3 (2012)	Year 4 (2013)	Total
• Salaried personnel (V 11100)	40000	32000	0	0	72000
Total salaried	40000	32000	0	0	72000

### B. Direct project expenses

(Please include the yearly direct expenses of the project. For computation, use the Direct Expenses Estimation Form in Appendix C and D. Numbers in parentheses refer to expense codes). Only direct project expenses are funded by ScienceFund.

Expense Category	Year 1 (2010)	Year 2 (2011)	Year 3 (2012)	Year 4 (2013)	Total
• Temporary and contract personnel (V 11000)	9000	7500	0	0	16500
• Travel and transportation (V 21000)	10000	10000	0	0	20000
• Rentals (V 24000)	0	0	0	0	0
• Research materials and supplies (V 26000)	3000	3000	0	0	6000
• Minor modifications and repairs (V 28000)	0	0	0	0	0
• Special services (V 29000)	10000	10000	0	0	20000
• Special equipment and accessories (V 35000)	60000	0	0	0	60000
Total direct	92000	30500	0	0	122500

### C. Total Project cost

(Please add the sub-totals of A and B)

Year 1	Year 2	Year 3	Year 4	Total
132000	62500	0	0	194500

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## Curriculum Vitae - Search

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Research Collaboration	Contractual Matters	Staff Cost Estimation	Direct Expense Estimation	Project Cost	Project Funding	<b>Curriculum Vitae</b>
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### Curriculum Vitae View

(Note: Asterisks (\*) may be used as wildcard characters in the search functions. E.g., the search string **a\*d** will find **badger**, **around** and **bandstand**(both occurrences). Without an Asterisk (\*), the system will search for an exact match.)

Name

<input type="checkbox"/> Name	IC No (New)	E-Mail	Type
<input type="checkbox"/> Andrzej Bargiela		Andrzej.Bargiela@nottingham.edu.my	Researcher
<input type="checkbox"/> Dino Isa Amshah	640509-10-5565	dino.isa@nottingham.edu.my	Researcher
<input type="checkbox"/> Rajprasad Kumar Rajkumar	810131-14-5707	Rajprasad.Rajkumar@nottingham.edu.my	Researcher
<input type="checkbox"/> Roselina Arelhi	700609-08-6404	roselina.arelhi@nottingham.edu.my	Project Leader

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