Referee's report

You have been nominated as a referee in support of an application for postgraduate study at The University of Nottingham. We would be grateful if you would provide us with a reference on the applicant's academic and general suitability to undertake the proposed course of study. Please note that this reference may also be used to assess a candidate's suitability to receive funding, therefore please complete all sections fully.

How to submit a reference:
- On this form, by hard copy (signed & stamped)

- On this form, by email (from a work based email address (e.g. .**ac.uk, .nhs.net** or **.gov.uk** etc)

- By hard copy or scanned & emailed, on letterhead paper. If you are completing the reference as a letter you must address all the questions asked on this form.

Hard copies should be sent to Emma Juggins, University of Nottingham, Horizon CDT, Computer Science, Jubilee Campus, Wollaton Road, Nottingham, NG8 1BB and emails should be directed to emma.juggins@nottingham.ac.uk

If you are supplying a **professional reference** rather than an academic reference please only complete the relevant sections and comment on how the applicant's professional experience makes them suitable for the proposed course.

Applicant's name:	Course applied to:		Date:
Cahyana	Horizon Centre for Doctoral Training 4-year PhD Programme		September 2014
Referee's name:	Signature:		Stamp/Seal
Rhiza S. Sadjad, Ph.D.			
Company or Institution:			
Department of Electrical Engineering, Hasanuddin University, MAKASSAR, Indonesia			
In what capacity do you know this applicant (dissertation supervisor, personal tutor, course leader, line manager etc.)?			
A lecturer of the applicant's several undergraduate courses and her undergraduate final project supervisor			
How long have you known the applicant?			
Since 1996			

The applicant may request to see a copy of this reference. If you do not wish to disclose the information you have provided, please tick here.	

Academic Referees only

Please indicate the ranking of this student (where possible):	In top 1-5% of year	✓
	In top 10% of year	
	In top 25% of year	
	In top 50% of year	
	In bottom 50% of year	

	Poor	Average	Good	Very good
Level of motivation for research:				✓
Intellectual ability:				✓
Ability to communicate - written:				✓
Ability to communicate – spoken:				✓

Would you recruit this applicant to your research group or PG course? Y / N / NA

Undergraduate study. Please give a result of any undergraduate-level degree this candidate is currently undertaking or has recently undertaken. Is this an **actual** grade or a **predicted** grade? (Delete as appropriate).	Actual: **2.95** out of **4.00** (GPA)
Postgraduate study. Please give a result of any Masters-level degree this candidate is currently undertaking or has recently undertaken. Is this an **actual** grade or a **predicted** grade? (Delete as appropriate).	Actual: **3.52** out of **4.00** (GPA)

Professional and/or Academic reference section

1.	**Previous performance:** Include a realistic assessment of the quality of the applicant's academic work and / or performance to date, (providing evidence to support your comments) and being as specific as possible.

In 2002, Ms. Cahyana completed her first degree in the Department of Electrical Engineering, Hasanuddin University, Makassar, INDONESIA, where I myself have been with since 1983. Ms. Cahyana was one of my best students. She took all of my classes, mostly in Automatic Control and Linear Systems area, and as I remember it, she was almost always among the top 10% students in my classes. As a laboratory assistant in our Basic Electrical Engineering Laboratory, Ms. Cahyana was among a very few students who were trusted to supervise her fellow students to do experiments to strengthen their fundamental knowledge and skills in Electrical Engineering. With this experience, she apparently had chosen teaching as a career. She might have chosen a job in industry, so this clearly showed the quality Ms. Cahyana has in her personality as well as her strong motivation to seek knowledge. This also shows how much she values education. Cahyana had her study program in our Department very well planned, and had her undergraduate final project well in mind. I supervised her undergraduate final project, which was a unique project related to the development of the state-owned electrical power company's on-line billing system. This was a very sophisticated programming work, and Ms. Cahyana has demonstrated that she has all the skills needed to complete the project successfully in a relatively very short time, with a good collaboration with her partner. She came to see me regularly to show the progress of her work, and in all these encounters she showed her openness to suggestions and an eagerness to engage in professional discussions that could enhance her understanding of the subject she is interested in. I see in her the many qualities of both an excellent engineer and an enthusiastic researcher.

2.	**Potential for postgraduate study:** Evidence of the candidate's aptitude and preparedness for the proposed course of study. Please give an assessment of the candidate's experience to date, and his/her potential to complete the course in the light of this assessment.

Five years after her graduation, Ms. Cahyana told me that she had received a Masters Degree in Computer Science from the University of Indonesia, the most prominent university in our country, with a GPA of **3.52** out of **4.00**. I was not surprised at all, for all qualities she had in her and her very strong motivation, she really deserved it. I have been so thoroughly impressed by Ms. Cahyana's technical competence in her field, and that she showed a strong motivation to continue her study, I wholeheartedly recommend her for any opportunity to pursue a higher degree program in her field.

3.	**Preparedness for doctoral study (if applicant applying for a Postgraduate Research course):** Your assessment of the applicant's preparedness to undertake the proposed research project, including their capacity for original thought and ability to grasp concepts and reason analytically.

The applicant continued her study program at the University of Indonesia, the most prominent university in the country, and completed her graduate study successfully. This indicated that she is very competent for a postgraduate study program. When she was only an undergraduate student many years ago, she did her undergraduate final project under my supervision, I had seen in her a very quality required to make her an excellent researcher in the future. At the time, the computer network was not very common in our country, yet she took a challenging project to develop an on-line billing system for the state-owned electricity company. I have no doubt whatsoever that she has prepared her research project well planned in mind by maximizing her ability to develop the concept based on her strong analysis.

4.	**The applicant's motivation and perseverance in achieving objectives.** Comment on their ability to complete their postgraduate studies successfully and on time. Please provide evidence of work which has previously been completed within a given timescale.

The best evidence for this was the applicant's Master's study program at the University of Indonesia. She enrolled in 2005, and completed in 2007, exactly in 2 (two) years, with the GPA of 3.52 out of 4.00. The Masters-level study programs in Indonesia are normally designed for 4 (four) semester or 2 (two) year programs, so she evidently was successful in completing the program on time. I have no doubt that she will complete her next postgraduate study-program on time and successfully as the previous one.

Other comments

I have been so thoroughly impressed by Ms. Cahyana's technical competence in her field, and that she showed a strong motivation to continue her study, I wholeheartedly recommend her for any opportunity to pursue a higher degree program in her field.