



Recommendation for Admission Joint Program

Submitted on November 30, 2015

Section 1 - Applicant Information	
Applicant:	Mr Harinderpal Cheema
Program Applied For:	Master of Engineering: Civil
Department:	Department of Civil and Environmental Engineering
Field of Study:	Civil

Section 2 - Referee Information			
Name of Referee:	Dr Hardeep Rai		
Position:	Professor		
Email:	hsrai@gndec.ac.in	Telephone Number:	0919855225007
Name of Institution:	Guru Nanak Dev Engineering Col		
Address of Institution:	Guru Nanak Dev Engineering Col Gill Park Gill Road Ludhiana, 29242 141006		

Section 3 - Questions						
1. I have known the applicant from JUL-2014 to NOV-2015 in the following capacities:						
- Instructor in 1 lecture courses.						
- Instructor in 1 tutorial courses.						
- Other: Mentor						
2. The following box score ratings indicate my assessment of the applicant's academic performance and potential. I have rated the applicant by comparison with 200 other students (at the same level of education and experience) with whom I have been associated during the past 3 years.						
3. I would recommend the applicant's admission to a comparable graduate program at my own university:						
Without Reservation	With Certain Reservations	Not at All	No Comparable Program Exists	Not Applicable		
4. Overall aptitude for advanced research:						
Among the top 5%	Among the top 10%	Among the top 25%	Above Average	Below Average	Not Applicable	
5. Please rate the applicant in the following areas:						
	Outstanding	Above Average	Average	Below Average	Not Applicable	
Academic Achievement		x				
Research Potential	x					
Originality	x					
Judgement	x					
Motivation	x					
Ability to Work Independently	x					
Oral communication		x				
Written Communication	x					
Potential as a Teaching or Research Assistant		x				

6. Since the above box score ratings do not provide a complete descriptions of an applicant's potential, please justify your assessment by describing any special aptitudes, strengths and weaknesses the applicant may have.

It is my immense pleasure to recommend Mr Harinderpal Singh Cheema for Master's program at your distinguished University. I know Harinderpal for about 1.5 years during which he managed to impress me with traits of his personality.

I recall that during my tenure as his teacher of Design of Concrete Structures-II, he proved that he has a technical bent of mind and a very systematic approach that helps him to analyse and solve problems. His qualities like enthusiasm, self-motivation and determination enabled him to get selected for the Testing and Consultancy Cell during one semester entirely devoted to Industrial Training, where he took keen interest and devoted time to learning new aspects of his studies

He worked hard and learned about Interpolation which he used in preparing spreadsheets on concrete structures and make it understood to all who don't know how to interpolate through an impressive presentation. Harinderpal was involved in design a 0.7 MLD Sewage Treatment Plant during his training, which was a real project and was constructed later. He assisted in design and prepared cost estimate. He designed and analysed Concrete Structures using STAAD Pro and his proficiency in using various Open Source Software (which is not so common among Civil Engineering Students) is admirable. He took special interest to learn Differential Global Positioning System (DGPS), and put enormous efforts to produce precise results and maps from the same. He successfully produced results using open-source software RtkLib. Moreover, he is the only one in his batch who went one step ahead and learnt gvSIG software which is used for GIS mapping. He learned layering and editing shape files and is still continuing to learn Massive Open Online Course (MOOC). His voluntary learning attitude not only sets him apart from rest of his batch but also highlight his ability to venture beyond the scope of course syllabi.

Harinderpal is a result oriented, hardworking and strong willed person who has high learning goals in life. I highly recommend that he should be given the opportunity to attend your program.

Prof (Dr). H S Rai
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