

HARDEEP KAUR

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EDUCATION:

YEAR	DEGREE/CERTIFICATE	INSTITUTE/SCHOOL	%age/CGPA
2015	M.Tech,Chemical Engineering	IIT Kharagpur	8.59 / 10
2013	B.E,Chemical Engineering	Thapar University,Patiala	6.61 / 10
2009	AISSCE	Kundan Vidya Mandir,Ludhiana	88.8%
2007	Matriculation Examination	Sri Guru Harkrishan Public School,Doraha	92.92%

ACADEMIC ACHIEVEMENTS:

- Secured an **AIR of 691** among 14835 candidates in Graduate Aptitude Test in Engineering (**GATE-2013**) for Chemical Engineering.
- Stood second in the **PSEB (2007)** Matriculation Examination at State Level.
- Secured 2nd prize in Science Seminar (2007) organized by SCERT at district level.
- Awarded 1st prize in Science Model Making competition(2005 and 2003) organized by SCERT at district level .
- Secured 1st prize in declamation contest (2006) organized by Ministry of Non-Conventional Energy Sources at district level .

TECHNICAL SKILLS: C,ASPEN PLUS,MS-OFFICE,Basics of CFD.

GRADUATE RESEARCH PROJECT DETAILS:

Microscale Transport Process and Microfluidics lab,Deptt. of Chemical Engg, IIT Kharagpur (June 2014-ongoing)

Project: **EFFECT OF NANOPARTICLE ON PROTEIN DRYING PATTERN.**

Guide: **Professor Sunando DasGupta**

- Did the fabrication of **microfluidic channel** and carried out the formation of **plugs** of air-water and oil-water in it.
- Studied the droplet drying pattern of **protein with nanoparticle**,which finds application in **disease diagnosis and treatment**.

INTERNSHIP/INDUSTRIAL EXPERIENCE DETAILS:

- **Terminal Ballistics Research Laboratory ,DRDO,Panchkula** (1 July,2012 to 31 Dec,2012)
 - Visited the plant and studied the process in the explosives plant.
 - Optimized the process by calculating the **Heat Duty** and bringing down the **Heat Transfer area** by **59.89%**.
- **SHREYANS PAPERS,Ahmedgarh (Ludhiana)** (2 june,2011 to 15 july 2011)
 - Studied the process of paper making closely.

POSITION OF RESPONSIBILITY:

Organization	Activity
Member of organizing committee of SPICMACAY,2009.	<ul style="list-style-type: none">• Was instrumental in bringing up the participation of children from the nearby villages in SPICMACAY art and craft workshops.
Member of SAIC (2009-2010) Thapar University.	<ul style="list-style-type: none">• Organizing member of the Alumni Reunion 2010 in T.U.
Joint convener of MUDRA(2009-2010) Thapar University	<ul style="list-style-type: none">• Conducted auditions for the Musical event.• Handled the budget for the musical instruments.• Performed at the musical and dramatics event.

EXTRACURRICULAR ACTIVITIES/ACHIEVEMENTS:

SINGING	<ul style="list-style-type: none">• Awarded silver in Interhall Eastern Vocals as a part of General Championship, 2014 held at IIT Kharagpur.• Secured 1st position in Interyear singing competition held during IZHAAR 2010 at TU.
OTHERS	<ul style="list-style-type: none">• Secured 1st position in Interyear Poem Recitation, Intercollege play• Secured 1st position in declamation contest organized by PSEB at district level and participated at state level.