IAESTE INDIA

WORK OFFER

Employer Information

Employer:	Manipal University Jaipur	*Website:*	jaipur.manipal.edu
	Manipal University Jaipur	*Location of placement:*	
		Number of employees:	450
	303007 Jaipur India	*Working hours per week:*	40.0
Business or products		*Working hours per day:*	8.0

Student Required

Field of study:	Mechanical Engineering	*Study level:*	Middle (4-6 Semesters);End (7 Semesters and over)	
Specialization:	Automotive engineering	*Language required:*	English	Excellent

Other requirements:

Ansys,Solidworks,Creo

Work Offered

Numerical Simulation of coolent flow for

Thermal Management in a Electric Vehicle Battery Pack

Using ANSYS (Computational Fluid Dynamics)

Number of weeks offered:	8 - 10	*Working environment:*	Research and development
Within the months:	01-JUL-2017 - 24-SEP-2017	*Gross pay:*	5,000 INR / Month
Or within:	-	*Deduction to be expected:*	0
Holidays:	-		

Accomodation

Lodging will by arranged by:		*Estimated cost of lodging:*	0 INR / Month
		Estimated cost of living incl. lodging:	5,000 INR / Month

Additional Information

Nomination Information

Deadline for nomination:	29-APR-2017	*Please send nominations by*	Exchange Platform

Date:	25-APR-2017	*On behalf of receiving country:*	Aditi Malladi

STUDENT NOMINATED

IMPORTANT: You are under no circumstances allowed to contact the employer before being accepted. You are accepted for this training offer only after receipt of the IAESTE acceptance form

Personal information

Family name: TISSAOUI

First and/or other names: Yassine

Home address: 9, Rue tehran 2000, Tunis Tunisie

Phone No.: (+216) 24 01 12 94

Email: yassinetissaoui@gmail.com

Address during terms: Cité Taofik Beb Souika 1001 Tunis.

Phone No.: (+216) 24 01 12 94

Date of birth (day/month/year): 01/12/1994

Place of birth: Tunis, Tunisia

Nationality: Tunisian

Passport No. 495122496

Issued at:12/07/2012

Valid until (day/month/year): 11/07/2022

Sex: male

Marital status: Single

Are you medically fit: Yes
(If not give details in encl.)

Study information:

University/College: National Engineering School of Tunis

Faculty: Engineering

Specialization: Modeling for Industry and Services

Completed years of study: 4

Knowledge of languages:
(1= excellent, 2=good, 3=fair)

English 1
French 1
Arabic   1
Spanish 3

Total years required: 5

IMPORTANT: A list of subjects studied by the time training begins must be enclosed with this form as well as a Curriculum Vitae (including details of previous work) and an introduction letter to the employer.

Desired period of training (day/month/year)   from: 01/07/2017   to: 14/09/2017
within the period specified by the employer):

Do you wish lodging to be found for you?: Yes

Are you required/do you wish to prepare a technical report during the training period? Yes

Date: 25/04/2017   Student's signature

For official use only

Date: Nominating country: On behalf of sending country

25/04/2017   Tunisia

Yassine TISSAOUI

M.I.N.D.S. ENGINEERING STUDENT

PROFILE...........

M.I.n.d.S. Engineers are specialists in all things relating to applied mathematics. Be it in automation, or applied physics, our job is to search for the most optimal solution.

CONTACT.........

N: Yassine TISSAOUI
A: PO box 30 El Mahres
P: 24 012 294
E: yassinetissaoui@gmail.com

INTERESTS...........

Former National and Outgoing Communications Coordinator for IAESTE Tunisia.
Former player for the ENIT basketball team
MIndS|TA club chief IT responsible
Music: I am a guitarist.

EDUCATION...................................

Engineering degree in M.I.n.d.S. (Modelisation for industry and services)- September 2015-current
ENIT: Our courses focus on mastering the mathematical and coding tools neccessary to create models for complex industrial or financial systems
Engineering preparatory school - September 2013/June 2015
I.P.E.I.T: Intensive courses in mathematics and physics followed by a national exam
Baccalaureate degree in mathematics with high honors - September 2009/June 2013

WORK EXPERIENCE...................

C&I intern for Shell Tunisia:
-Performed preventive and corrective maintenance for the various transmitters throughout the Hasdrubal natural gas processing plant.
Reasearcher for the ENIT Hydraulic and Environement Modeling Lab:
-Performed research tasks with regards to the flow of air around an AIRFOIL. I performed grid design as well Simulation and analysis of results.

ACADEMIC PROJECTS............

Probability theory project: Simulation of Zombie apocalypse on MATLAB using probability theory.
End of term project 1: The history of finance and the 2008 subprime crisis
Automation Mini project: Design of an RST regulator
Java language mini project: Design of a chess game using Java

C language mini project: Creation of a simple compiler using C

PROFESSIONAL SKILLS AND LANGUAGES............

PROGRAMMING:

SQL	R	C
C++	LATEX	JAVA
PHP	PYTHON	JAVASCRIPT

SIMULATION:

MATLAB	POINTWISE	ANSYS CFX

English : Native	**Arabic: Native**
French: Bilingual	**Spanish: Fair**

Yassine TISSAOUI
H *+216-24-011-294*
yassinetissaoui@gmail.com

Manipal University Jaipur
303007 Jaipur India   25/04/2017

Dear Sir/Madam

I am writing this letter in response to your offered internship under the IAESTE Exchange Program.

I am currently a 4th year (out of 5) Modeling for Industry and Services Engineering student at the National Engineering School of Tunis(ENIT). This discipline is highly polyvalent and introduces students to both many different high level physics courses as well as high level mathematics and numerical methods.

When I read the work description on your offer it immediately caught my eye as it aligns perfectly with both my studies as well as my interests. The fact the internship deals with Computational Fluid Dynamics resonates with me as someone who has both studied fluid dynamics as well as simulation via various methods such as the finite volumes method. I have recently had the opportunity to work with ANSYS software to simulate flows around an airfoil and I would be very excited to further my knowledge in CFD simulations.

Studies aside, I have been able to greatly improve my soft skills through my time participating in various extracurricular activities. During my time as an active member for IAESTE Tunisia I have been able to greatly hone my skills with regards to both human resources and communications through my time as the National Communications Coordinator. I have also learned to greatly value responsibility and commitment to one's tasks and I have also gained experience in debating, decision making, scheduling events, coaching students, preparing and presiding meetings and dealing with employers and sponsors.

An internship at your university would offer me the opportunity to put in practice the theoretical knowledge I acquired along my studies especially in my courses of data analysis and fluid dynamics. It would also be of great help when choosing the direction of my future studies. I would be really honored to work among your research staff and I am willing to achieve the maximum of work possible within my internship's scope.

Last but not least, apart from work, if there is free time, it would be a great honor for me to discover the very lively country of India as well as its very rich culture.

Shall you request any further details or information, I shall be glad to provide you with anything you require.
I am looking forward to hearing from you soon.
Sincerely,

Yassine TISSAOUI

1MINDS.PE12 Code	Course Title	Semester 1				Semester 2				Coef	Coef of GM
		C	TD	TP/MP	TOT	C	TD	TP/MP	TOT		
GM1	Theory of the measure and the integration	22.5	22.5		45					3	1.5
	Differential equations and automatic	10.5	12		22.5					1.5	
	Mathematical equations of physics					22.5	22.5		45	3	
	Probability and statistics					22.5	22.5		45	3	
GM2	Numerical Analysis	22.5	22.5		45					3	1.5
	General Economy	10.5	12		22.5	10.5	12		22.5	3	
	Legal sciences: labor law					10.5	12		22.5	1.5	
	Communication I	·				10.5	12		22.5	1.5	
ST	Week system					10.5	12		22.5	1.5	
	Culture I					10.5	12		22.5	1.5	
GM3	English	22.5	22.5		45	22.5	22.5		45	3+3	1.5
	Arabic	10.5	12		22.5	10.5	12		22.5	1.5+1.5	
	French 1st year	10.5	12		22.5	10.5	12		22.5	1.5+1.5	
GM4	Computer course	10.5		12	12					1.5	1.5
	Programming languages and algorithms	22.5	22.5		45					3	
	Miniproject in C language					10.5	12		22.5	1.5	
	Digital electronics	22.5	22.5		45					3	
	Introduction of Matlab	10.5		12	12					1.5	
	Matlab miniproject					10.5		12	22.5	1.5	
GM5	Continum mechanics	22.5	22.5		45					3	1.5
	Mechanics of fluids					22.5	22.5		45	3	
	Signal processing					22.5	22.5		45	3	
	Quantum mechanics	22.5	22.5		45					3	
GM6	End of term project 1							22.5	22.5		1.5
Total		199.5	205.5	24	429	207	208.5	34.5	450		

2nd Year- Modelling for industry and services - SEMESTER 1

Units Of Education	Modules	Number of hours per semester				Credits / Coefficients		Evaluation method	
		C	TD	TP	Total	Module	GM	Continuous monitoring	Exam
GM01	Markov chain, Martingales discrete	30	15		45	3	8	X	X
	Stochastic Calculations	30	15		45	3		X	X
	Complex variable functions	15	7.5		22.5	2			X
GM02	Optimization	30	15		45	3	8	X	X
	Finite Elements 1	15	7.5		22.5	2			X
	Operations Research and Optimization	30	15		45	3		X	X
GM03	Object Oriented Programming and Java	30	7.5	7.5	45	3	8	X	X
	Finance Option								
	Statistics I	30	15		45	3		X	X
	Actuariat I: Non-life insurance	15	7.5		22.5	2			X
	Option Modeling								
	Automatic	30	15		45	3		X	X
	Digital Signal Processing 2	15	7.5		22.5	2		X	X
GM04	Introduction to Accounting and Financial Analysis	15	7.5		22.5	1	3		X
	Integration Week		22.5		22.5	1		X	
	Opening week	15	7.5		22.5	1		X	
GM05	English		22.5		22.5	1	3	X	
	Arabic		22.5		22.5	1			X
	French		22.5		22.5	1		X	
	Total	**255**	**210**	**7.5**	**472.5**	**30**	**30**	**12**	**13**

SEMESTER 2

Units Of Education	Modules	C	TD	TP	Total	Module	GM	Continuous monitoring	Exam
GM01	Databases and Labs	15	7.5	22.5	45	3	5	X	X
	Data analysis	15	7.5		22.5	2			X
GM02	Functional analysis	15	7.5		22.5	2	9		X
	Finance Option								
	Fundamentals of Finance I	30	15		45	3.5		X	
	Actuarial II: Non-life insurance	30	15		45	3.5		X	X
	Option Modeling								
	Advanced Scientific Computing	30	15		45	3		X	X
	Fluids and structures interaction	15	7.5		22.5	2			X
	Compressible flows	15	7.5		22.5	2			X
GM03	Finance Option						6		
	Econometrics	15	7.5		22.5	2.5		X	X
	Statistics II	30	15		45	3.5		X	X
	Option Modeling								
	Anelastic solids mechanics	15	7.5		22.5	2			X
	Thermal transfer	15	7.5		22.5	2			X
	Waves and Vibrations	15	7.5		22.5	2			X
GM04	English		22.5		22.5	1	5	X	
	Sociology	15	7.5		22.5	1		X	
	Communication Technology Workshop 2	15	7.5		22.5	1		X	
	Strategy and start-up	15	7.5		22.5	2		X	
GM05	End of term project II			90	90	5	5	X	
	Total	**195**	**120**	**112.5**	**427.5**	**30**	**30**	**11**	**12**

MindS

IAESTE - Language Certificate
This sheet must be completed and sent with the Student Nomination if required.

Tick Language to be tested

English ☒   French ☐   German ☐   Spanish ☐   Other ☐ Please specify _____

Surname: TISSAOUI	First name: Yassine
Nationality: Tunisian	Study Course: MIndS
How long have you studied this Language? 15 years	Last Class: Next year
Examinations Achieved and Grade: *Please provide additional Certificates if available* TOEIC 910	Dates of Examinations: Jon 2016

To be completed by the Examiner

Knowledge of Required Language
(Please tick one box for each of the four language sections)

1. **Comprehension**
Understands conversation and reads without difficulty ☒
Understands almost everything spoken slowly and clearly ☐
Understands with difficulty ☐
Cannot follow conversation and written word ☐

2. **Speaking**
Speaks fluently, correctly and is easily understood ☒
Is understood but is not completely correct and fluent ☐
Speaks haltingly with many mistakes ☐
Cannot speak this language ☐

3. **Writing**
Writes accurately with ease ☒
Writes slowly with occasional errors ☐
Writes with difficulty and makes many errors ☐
Has no written ability in this Language ☐

4. **Reading**
Reads quickly with understanding ☒
Reads slowly, understanding only some of the text ☐
Has difficulty understanding and must look up many words ☐
Cannot understand simple texts ☐

Overall Conclusion
☒ Excellent   ☐ Good   ☐ Fair   ☐ Poor

Additional Comments:

Examiner: Mrs Najet Guellouz	Position: English teacher
Place and Date: March 13th 2017 /Tunisia	Signature:

Le Secrétaire Général
KHACHROUMI BELAI
Ecole Nationale d'Ingénieurs de Tunis

Certificate of Enrollment

First name   _____Yassine_____

Last name   _____TISSAOUI_____

Date of birth   _____December 1th 1994_____

Place of Residence _____ Tunis, Tunisia _____

Nationality   _____ Tunisian _____

The student is registered at   _____Fourth year_____

will continue his/her studies after the internship _____Yes_____

Institute of Higher Education   _____National Engineering School of Tunis_____

Faculty   _____Modelisation for industry and services Engineering_____

Estimated end of studies (month/year) _____June 2018_____

Name and Address of Institute of Higher Education_____

ENIT BP 37 Le Belvederes 1002 Tunis, Tunisia _____

Signature and Stamp

Tunis, March, 15, 2017

Recommendation letter

To Whom It May Concern:

Dear Sir or Madam,

This letter is my personal recommendation for Yassine Tissaoui. As his teacher in National Engineering School of Tunis, I had Yassine Tissaoui as a student in engineering degree studies. He is following his studies in "Modeling for Industry and Services". I supervised him in his end of term project for the second year study. Yassine completed successfully his project where we have focused on the study of the aerodynamics of an airfoil using a CFD method. The results obtained were so pertinent to motivate Yassine to continue such development in the frame work of other future engineering projects.

I would like to approve Yassine Tissaoui for admission to your summer training. Such training will be an excellent opportunity for him to increase his scientific knowledge and to contact others researchers in an international context.

Please do not hesitate to contact me if you require further information.
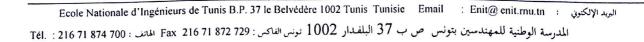
Sincerely

Ghazi Bellakhal

Assistant Professor in Hydraulic Engineering

Environment and Hydraulic modeling Laboratory Civil Engineering

Department National School of Engineering of Tunis

Email : ghazi.bellakhal@enit.rnu.tn

We the People

Of the United States, in Order to form a more perfect Union, establish Justice, insure domestic Tranquility, provide for the common defence, promote the general Welfare, and secure the Blessings of Liberty to ourselves and our Posterity, do ordain and establish this Constitution for the United States of America.

SIGNATURE OF BEARER / SIGNATURE DU TITULAIRE / FIRMA DEL TITULAR

3

USA

UNITED STATES OF AMERICA

Type / Type / Tipo	Code / Code / Código	Passport No / No. du Passeport / No. de Pasaporte
P	USA	495122496

Surname / Nom / Apellidos
TISSAOUI

Given Names / Prénoms / Nombres
YASSINE

Nationality / Nationalité / Nacionalidad
UNITED STATES OF AMERICA

Date of birth / Date de naissance / Fecha de nacimiento
01 Dec 1994

Place of birth / Lieu de naissance / Lugar de nacimiento
VIRGINIA, U.S.A.

Sex / Sexe / Sexo
M

Date of issue / Date de délivrance / Fecha de expedición
12 Jul 2012

Authority / Autorité / Autoridad
United States Department of State

Date of expiration / Date d'expiration / Fecha de caducidad
11 Jul 2022

Endorsements / Mentions Spéciales / Anotaciones
SEE PAGE 27

USA

```
P<USATISSAOUI<<YASSINE<<<<<<<<<<<<<<<<<<<<<<<<
4951224966USA9412011M2207113711980159<025822
```