

# Hayet TLIJANI

CIN: 06144240

ATCT cv code: 2019000529

Birth date: 05.04.1977

Civility: Mrs

Civil status: Married

Address: ISET, Campus universitaire Sidi Ahmed Zarroug - Gafsa - 2112

E-mail: tljanihayet@live.fr

Phone number: (+216) 52382577

Field	<b>Computers, Media and Telecommunications</b> Software and programming Computing The Systems Information Education in the Field of Computer, Media and Communication
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Education	<b>2014</b> <b>Diplôme du doctorat - National School of Engineering of Tunis</b> Level of studies: Higher Education  <b>2008</b> <b>Diplôme de mastère de recherche - National School of Engineering of Tunis</b> Level of studies: Higher Education  <b>2002</b> <b>Diplôme d'études supérieures spécialisées CESS - National School of Computer Sciences</b> Level of studies: Higher Education  <b>2000</b> <b>La maîtrise - Higher institute of Management of Tunis</b> Level of studies: Higher Education  <b>1996</b> <b>Diplôme du baccalauréat - *****</b> Level of studies: Baccalaureate
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Training	<b>01.02.2002 - 30.03.2002</b> Higher Institut of Technologies of Nabeul ■ Pedagogic trainee as technologist assistant
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- Organism: Higher Institut of Technologies of Nabeul
- Department: Computer technology
- level : second class of bachelor student
- Activities :
  - Establish plans for the course and TPs for study unit of logic systems and Microprocessor,
  - Teaching a course syllabus of Microprocessor,
  - Carry out manipulation in the logic system (a one-bit UAL).

**01.07.1999 - 31.08.1999**

Groupe Chimique Tunisien, factory of M'dhilla, Tunisia.

- Technician trainee as analyst and developpeur
- activities
  - Design and implementation of a stock management application using Oracle 8 and Developper 2000 forms.
- Organism : Groupe Chimique Tunisien, factory of M'dhilla, Tunisia.
- Department : Computer division

Work experience

**28.10.2016 - Today**

**technologist professor - Higher Institute of Technology of Gafsa**

- teaching courses of study units :
  - Software Engineering for second class of computer science bachelor
  - IT Project Management for third class of computer science bachelor,
  - Service Oriented Architecture for the third class of computer science bachelor,
  - Java 8 Certification (OCA : Association Certificate Oracle) for the third class of computer science bachelor
    - Java 8 Certification OCP (Programming Certificate Oracle) for the third class of computer science bachelor
    - Embedded systems for the first class of computer science bachelor
    - Method of object-oriented design for the third class of computer science bachelor
- tutorials for study units :
  - Software Engineering for second class of computer science bachelor
  - IT Project Management for the third class of computer science bachelor,
  - Service Oriented Architecture for the third class of computer science bachelor,
  - Java 8 Certification (OCA: Association Certificate Oracle) for the third class of computer science bachelor
    - Java 8 Certification OCP (Programming Certificate

Oracle) for the third class of computer science bachelor

- Embedded systems for the first class of computer science bachelor

- Method of object-oriented design for the third class of computer science bachelor

- Practical work :

- Software Power AMC Designer and Rational Rose for the second class of computer science bachelor,

- Planning projects with MS project 2013 for the third class of computer science bachelor,

- Web Programming JEE using: Eclipse, MySQL, Java8, Tomcat, Framework Spring MVC for the third class of computer science bachelor,

- C# programming using: Microsoft Visual Studio 2015 and SQLServer 2012 for the third class of computer science bachelor,

- VB.Net using: Microsoft Visual Studio 2015 and SQLServer 2012 for the third class of computer science bachelor,

- Web Service programming SOAP and REST using: Eclipse, Java 8 and Tomcat for the third class of computer science bachelor,

- supervision of the end-of-studies projects and final year project for students of the computer science department

- training supervision for students of the computer science department

- participation in the member of the jury for the end-studies of projects and trainee in the computer science department,

**06.09.2004 - 27.10.2016**

**technologist assistant professor - Higher Institute of Technology of Gafsa**

- Teaching courses in study units :

- Algorithms and data structures for the first class of computer science bachelor,

- Operating Systems for the first and the second class of computer science bachelor,

- Computer Architecture and Microprocessor Intel 8086 for the second class of computer science bachelor,

- Software Engineering for the second class of computer science bachelor,

- C Programming for the first class of computer science bachelor,

- Software architecture for the third class of computer science bachelor,
- IT Project Management for the third class of computer science bachelor,
- Service Oriented Architecture for the third class of computer science bachelor,
- N-tiers Architecture for the third class of computer science bachelor.

- tutorials for study units :

- Algorithms and data structures for the first class of computer science bachelor,
- Operating Systems for the first and the second class of computer science bachelor,
- Computer Architecture and Microprocessor Intel 8086 for the second class of computer science bachelor,
- Software Engineering for the second class of computer science bachelor,
- C Programming for the first class of computer science bachelor,
- Software architecture for the third class of computer science bachelor,
- IT Project Management for the third class of computer science bachelor,
- Service Oriented Architecture for the third class of computer science bachelor,
- N-tiers Architecture for the third class of computer science bachelor.

- Practical work :

- Software Power AMC Designer and Rational Rose for the second class of computer science bachelor,
- MS-Dos and Windows for the first class of computer science bachelor,
- Assembler Programming of microprocessor Intel 8086 for the first second of computer science bachelor,
- Planning projects with MS project 2010 / 2013 for the third class of computer science bachelor,
- Web Programming using: Netbeans, MySQL, Java, Tomcat for the third class of computer science bachelor,
- C# programming using: Microsoft Visual Studio 2015 and SQLServer 2012 for the third class of computer science bachelor,
- VB.Net using: Microsoft Visual Studio 2015 and SQLServer 2012 for the third class of computer science bachelor,
- C programming using the integrated development environment Microsoft Visual Studio 2010 for the third class of computer science bachelor,

- charge of the study unite of the operating system for the

first and second class of computer science bachelor,

- supervision of the end-of-studies projects and final year project for students of the computer science department
- training coordination and supervision for students of the computer science department
- participation in the member of the jury for the end-studies of projects and trainee in the computer science department,
- presentation of a workshop on pedagogic planning course
- the organization of a workshop on Web programming JEE

**06.09.2002 - 06.09.2004**

**Technologist Associate Professor - Higher Institute of Technology of Gafsa**

- Teaching courses in study units :

- Algorithms and data structures for the first class of computer science bachelor,
- Operating Systems for the first and the second class of computer science bachelor,
- Computer Architecture and Microprocessor Intel 8086 for the second class of computer science bachelor,
- C Programming for the first class of computer science bachelor,

- tutorials for study units :

- Algorithms and data structures for the first class of computer science bachelor,
- Operating Systems for the first and the second class of computer science bachelor,
- Computer Architecture and Microprocessor Intel 8086 for the second class of computer science bachelor,
- C Programming for the first class of computer science bachelor,

- Practical work :

- MS-Dos and Windows for the first class of computer science bachelor,
- Assembler Programming of microprocessor Intel 8086 for the first second of computer science bachelor,
- C programming using the integrated development environment Microsoft Visual Studio 2010 for the third class of computer science bachelor,

- training supervision for students of the computer science department

- participation in the member of the jury for the end-studies of projects and trainee in the computer science department,

## Personal skills and competences

JEE: Excellent

ADA programming language for software engineering and data structure: Excellent

Number of years: 6

project management and MS project: Excellent

Number of years: 5

JEE software architecture and Spring framework: Excellent

Number of years: 6

Micro-service architecture: Good

Number of years: 3

Service Oriented Architecture and programming web service SOAP and REST: Excellent

Number of years: 5

programming embedded system using Arduino and Python: Good

Number of years: 4

Web programming using : Servlet, Socket, HTML, CSS et Bootstrap: Excellent

Number of years: 6

Java 8: Good

Number of years: 6

Eclipse: Good

Number of years: 6

MySQL: Good

Number of years: 6

Oracle: Good

Number of years: 7

SQLServer : Good

Number of years: 5

C: Excellent  
Number of years: 10

C++: Excellent  
Number of years: 10

Microsoft Visual Studio: Excellent  
Number of years: 10

Framework .Net: Satisfactory  
Number of years: 3

C#: Good  
Number of years: 5

## Languages

Arabic: Good

English: Excellent

French: Excellent

Italian: Fair

## Summary

Scientific publication :

- Hayet T., Knani J. (2019) SOAP-Based Web Service for Localization of Multi-robot System in Cloud. In: Arai K., Kapoor S., Bhatia R. (eds) Intelligent Computing. SAI 2018. Advances in Intelligent Systems and Computing, vol 857. Springer, Cham

- Tlijani Hayet, Tlijani Hatem, Knani Jilani: Navigation control of a mobile robot under time constraint using Genetic algorithms, CSP techniques and Fuzzy Logic. Handbook of research on Advanced Intelligent Control Engineering and Automation, A volume in the Advances in Computational Intelligence and Robotics (ACIR) Book Series, 2015, pp 475-496, DOI: 10.4018/978-1-4666-7-48-2.ch017.

- Hayet Tlijani, Jilani Knani, K.Nacer M'sirdi: Hybrid Algorithm combining Genetic algorithms and CSP approach to plane an Optimized path for a Mobile Robot moving under Time Window, IOSR: Journal of Computer Engineering (e-ISSN: 2278-0661, p- ISSN: 2278-8727), Volume 16, Issue 3, Ver. III (May-Jun. 2014), PP 74-83.

- Tlijani hayet, Tlijani hatem, M'sirdi K.Nacer, Knani Jilani :  
New Fuzzy CSP for an Optimized Mobile Robot's Path  
Tracking using Genetic Algorithms, International Journal of  
Computer and Information Technology (ISSN: 2279 - 0764),  
Volume 03- Issue 03, May 2014, pp 523-531.

Conferences:

- A navigation model for a multi-robot system Based on  
Client/Server model: Codit2016, Control, Decision and  
Information Technologies, April 6-8 2016, Saint Julian's,  
Malta (indexed Scopus)

- Navigation control of a mobile robot under time constraint  
using the fuzzy logic: CEIT'14, International Conference on  
Control, Engineering & Information Technology, March 22-  
25, Monastir, Tunisia.

- Optimisation d'une trajectoire pour un système multi-robot  
en modèle client/serveur utilisant les algorithmes  
génétiques : ROADEF 2013, La 14ème conférence ROADEF  
de la société Française de Recherche Opérationnelle et Aide  
à la Décision, Février 2013, Troye, France.

- Optimization of a mobile robot's tracking with time  
windows using hybridization of genetic algorithms with CSP  
approach : META'12, International Conference on  
METAheuristics and Nature Inspired Computing, October  
2012, Sousse, Tunisia;

- Optimization of a path tracking for a mobile robot using  
genetic algorithms and artificial potential field approach :  
CCCA'2011, International Conference on Communications,  
Computing and Control applications, March 2011,  
Hammamet, Tunisia;

Framing end study thesis:

- 2004-2005 :

Subject : design and implementation of electronic Document  
management application

level : bachelor in computer science

département :computer technology

organisme: higher Institut technologies Study of Gafsa and  
Phosphates Company of gafsa Tunisian

- 2005-2006 :

sujet: design and implementaion of an e-learning plateforme

level : bachelor in computer science

département :computer technology

organisme: higher Institut of technologies Study of Gafsa

- 2008-2007 :



design and implementation of distant electronic control card  
for weighing phosphate  
level : bachelor in computer science  
département :computer technology  
organisme: higher Institut technologies Study of Gafsa and  
Phosphates Company of gafsa Tunisian

- 2008-2009 :

subject : design and implementation of managing  
application of a tank of water  
level : bachelor in computer science  
département :computer technology  
organisme: higher Institut technologies Study of Gafsa and  
Phosphates Company of gafsa Tunisian

- 2009-2010 :

Subject : design and implementation of modulation AM/FM  
simulator  
level : bachelor in computer science  
département :computer technology  
organisme: higher Institut technologies Study of Gafsa

- 2011-2012 :

subject : design and implementation of a Web application  
for online car-pooling  
level : bachelor in computer science  
département :computer technology  
organisme: higher Institut technologies Study of Gafsa

- 2015-2016 :

subject : design and implementation of an Android  
application dedicated to hypermarket customer  
level : bachelor in computer science  
département :computer technology  
organisme: higher Institut technologies Study of Gafsa

- 2015-2016 :

subject : design and implementation of a Web JEE  
application for on-line bank management.  
level : bachelor in computer science  
département :computer technology  
organisme: higher Institut technologies Study of Gafsa

- 2016-2017 :

subject : design and implementation of an application for  
localisation of multi-robot system in Cloud using Web  
service SOAP  
level : Computer engineering  
department :Sftware engineering  
organisme : Private higher school of engineering (ESIP) of  
Gafsa

- 2016-2017 :

Subject : design and implementation of a BI module in an ECM software package

level : Computer engineering

department : Software engineering

organisme : Private higher school of engineering (ESIP) of Gafsa

- 2016-2017 :

subject: design and implementation of a maintenance module in an ERP

level: Computer engineering

department: Software engineering

organism: Private higher school of engineering (ESIP) of Gafsa

-2016-2017

subject : design and implementation of a management application of virtual coins using blockchain technology.

level: Computer engineering

department: Software engineering

organism: Private higher school of engineering (ESIP) of Gafsa

## Hobbies

- robotic - software architecture for embedded system -  
cinema - theater