

**3.7.1: Number of Collaborative activities for research,
Faculty exchange, Student exchange/ internship per year**

3.7.1: Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

Content

- 1] Sample copies of collaboration

Supporting Documents for Criteria – 3.7.1

Relevant Documents pertaining to Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year **

****Disclaimer:** We are providing samples since all of the supporting documents for this criteria exceed the 6MB upload limit. If necessary, we shall provide all/any supporting documents.



STAFF MOBILITY FOR TEACHING¹ MOBILITY AGREEMENT

Planned period of the teaching activity: from 15.01.2018 till 19.01.2018

Duration (days) – excluding travel days: 5 days

The teaching staff member

Last name (s)	Ved	First name (s)	Amit Dilipkumar
Seniority ²	intermediate	Nationality ³	Indian
Sex [M/F]	M	Academic year	2017/2018
E-mail	Amit.ved@marwadieducation.edu.in		

The Sending Institution/Enterprise⁴

Name	Marwadi University		
Erasmus code ⁵ (if applicable)	914970446	Faculty/Department	Engineering/ Electrical
Address	Rajkot-Morbi Road At & PO : Gauridad, Rajkot 360 003 Gujarat, India	Country/ Country code ⁶	India/IN
Contact person name and position	Mr. Colin Roberts International Relations	Contact person e-mail / phone	colin.roberts@marwadiuni versity.ac.in
Type of enterprise: NACE code ⁷ (if applicable)		Size of enterprise (if applicable)	<input type="checkbox"/> <250 employees <input checked="" type="checkbox"/> >250 employees

The Receiving Institution

Name	UNIVERSITY OF PITEȘTI	Faculty/Department	FACULTY OF THEOLOGY, LETTERS, HISTORY AND ARTS
Erasmus code (if applicable)	RO PITEȘTI01		
Address	Târgu din Vale, 1, 110040, Pitești	Country/ Country code	Romania/ RO
Contact person name and position	Assoc. prof. PhD. Robert Beloiu	Contact person e-mail / phone	robertbeloiu@ yahoo.com

For guidelines, please look at the end notes on page 3.

**Section to be completed BEFORE THE MOBILITY****I. PROPOSED MOBILITY PROGRAMME**

Main subject field⁸: 0788: Engineering, manufacturing and construction, inter-disciplinary programmes

Level (select the main one): Short cycle (EQF level 5) ; Bachelor or equivalent first cycle (EQF level 6) ; Master or equivalent second cycle (EQF level 7) ; Doctoral or equivalent third cycle (EQF level 8)

Number of students at the receiving institution benefiting from the teaching programme:

Number of teaching hours: 10 Hours

Language of instruction: English

Overall objectives of the mobility:

- The prime objective of the mobility is to join hands for the pursuit of creative common goals in terms of delivering quality education that is suitable to students and sellable to interested stakeholders worldwide. Under a common intellectual interest programs can be carved that will enable and empower students for participation in the international knowledge-skill development programs designed and delivered jointly through such a collaboration.

Added value of the mobility (in the context of the modernisation and internationalisation strategies of the institutions involved):

- To explore possibilities of joint research, project and knowledge exchange..
- To have cultural collaboration that can empower student in seemingly strategic ways to seeking global employment opportunities.

Content of the teaching programme:

Electronic Engineering

FD59 Microsystems with microprocessors and microcontrollers

1. INTEL 8254 timer programmable circuit - 2 hours

1.1. Circuit structure - 0.5 hours

1.2. Signal description - 0.5 hours

1.3. Operating modes; Command and programming words - 0.5 hours

1.4. Applications with timer circuit - 0.5 hours

2. Parallel Port Programmable Circuit INTEL 8255 - 2 hours

2.1. Circuit structure - 0.25 hours

2.2. Description of signals - 0.25 hours

2.3. Operating modes - 0.25 hours

2.4. Command and programming words - 0.25 hours

2.5. Parallel Port Circuit Applications; managing a keyboard - 1 hour

3. Programmable circuit for serial communication control

INTEL 8251 - USART - 2 hours

3.1. Elements of RS standard 232 - 0.5 hours

3.2. Structure of the circuit; Signal description - 0.5 hours

3.3. Command and programming words - 0.5 hours

3.4. Applications with USART circuit - 0.5 hours

4. Programmable circuit for INTEL interrupt control 8259 - 2 hours

4.1. Circuit structure - 0.5 hours

4.2. Signal description - 0.5 hours

4.3. Command and programming words - 0.5 hours

4.4. Circuit applications 8259 - 0.5 hours
5. Programmable transfer circuit DMA INTEL 8237 -
5.1. Circuit structure - 0.5 hours
5.2. Signal description - 0.5 hours
5.3. Command and programming words - 0.5 hours
5.4. Applications with DMA circuit - 0.5 hours
Data transfers in computerized microsystems
(programmed through interruptions with specialized DMA circuits) - 1 hour
6. INTEL 8051 family of microcontrollers - 5 hours
6.1. Internal architecture - 0.5 hours
6.2. Internal memory structure - 0.5 hours
6.3. I / O internal circuits; description, operation and programming
- 1 hour
6.4. Interruption logic - 1 hour
6.5. Set of instructions; execution of instructions - 1 hour
6.6. Structure of Microsystems with MCU 8051 - 1 hour
Or
FD 77 Programmable machines
Or
FD78 Industrial Electronics
Or
Electromechanics / Electromechanical Engineer
FD56 Programmable machines

Expected outcomes and impact (e.g. on the professional development of the teaching staff member and on the competences of students at both institutions):

- The participating faculty will be able to gain experience of modern teaching practices and deeper insights of the latest practices through an array of MoUs and scientific partnerships, conducting workshops, seminars, share about ongoing joint projects, consultancy offered, and conferences. Further, the Government of India has brought in schemes to submit joint research and development projects in various areas of Engineering & Technology, such projects when fetched/approved give the institutions opportunities to design and develop new products and serve in frontier areas of science, technology, and markets.
- Delivering subjects with alternate perspectives (ways and model practices) make participants feel challenged, innovative & vibrant that can eventually lead to highly rewarding and mutually benefitting outcomes.
- Will lead to knowledge sharing & creation and dissemination in seemingly different ways. Participants will experience new concepts, thinking, learning, and meeting people that over time will evolve to contribute meaningfully towards social-economic and scientific developments – making the world a better place.

II. COMMITMENT OF THE THREE PARTIES

By signing⁹ this document, the teaching staff member, the sending institution/enterprise and the receiving institution confirm that they approve the proposed mobility agreement.

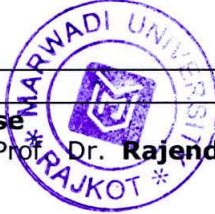
The sending higher education institution supports the staff mobility as part of its modernisation and internationalisation strategy and will recognise it as a component in any evaluation or assessment of the teaching staff member.

The teaching staff member will share his/her experience, in particular its impact on his/her professional development and on the sending higher education institution, as a source of inspiration to others.



The teaching staff member and the sending institution commit to the requirements set out in the grant agreement signed between them.
The teaching staff member and the receiving institution will communicate to the sending institution/enterprise any problems or changes regarding the proposed mobility programme or mobility period.

The teaching staff member	
Name: Prof. Amit Dilipkumar Ved	
Signature: 	Date: 01/01/2018



The sending institution/enterprise	
Name of the responsible person: Prof. Dr. Rajendrasinh Bahadursinh Jadeja, PhD	
Signature: 	Date: 01/01/2018

The receiving institution	
Name of the responsible person: Assoc. Prof. PhD. Mihai Oproescu	
Signature:	Date:

¹ In case the mobility combines teaching and training activities, **this** template should be used and adjusted to fit both activity types.

² **Seniority:** Junior (approx. < 10 years of experience), Intermediate (approx. > 10 and < 20 years of experience) or Senior (approx. > 20 years of experience).

³ **Nationality:** Country to which the person belongs administratively and that issues the ID card and/or passport.

⁴ All references to "enterprise" are only applicable to mobility for staff between Programme Countries or within Capacity Building projects.

⁵ **Erasmus Code:** A unique identifier that every higher education institution that has been awarded with the Erasmus Charter for Higher Education receives. It is only applicable to higher education institutions located in Programme Countries.

⁶ **Country code:** ISO 3166-2 country codes available at: <https://www.iso.org/obp/ui/#search>.

⁷ The top-level NACE sector codes are available at http://ec.europa.eu/eurostat/ramon/nomenclatures/index.cfm?TargetUrl=LST_NOM_DTL&StrNom=NACE_RV2&StrLanguageCode=EN

⁸ The **ISCED-F 2013 search tool** (available at http://ec.europa.eu/education/tools/isced-f_en.htm) should be used to find the ISCED 2013 detailed field of education and training.

⁹ Circulating papers with original signatures is not compulsory. Scanned copies of signatures or electronic signatures may be accepted, depending on the national legislation of the country of the sending institution (in the case of mobility with Partner Countries: the national legislation of the Programme Country).



ERASMUS CERTIFICATE

I, the undersigned **Assoc. Prof. PhD. Eng. Dumitru CHIRLEȘAN**, **Rector of University of Pitești**, hereby certify that the teacher **SATA AMIT VINODRAI** from **Marwadi University, India**, has completed a period from **07.05.2018** to **11.05.2018** to perform an ERASMUS teaching mobility (number of teaching hours: 8) at UNIVERSITY OF PITEȘTI, ROMANIA, as Erasmus participant in the framework of ERASMUS+ programme, **Key Action 1 - Learning Mobility of Individuals (KA107)**, **project number 2017-1-RO01-KA107-035813**, during the academic year 2017-2018.

I confirm that all teaching requirements have been carried out.

Date ... 11.05.2018

Signature:

Stamp:





ERASMUS CERTIFICATE

I, the undersigned **Assoc. Prof. PhD. Eng. Dumitru CHIRLEȘAN**,
Rector of University of Pitești, hereby certify that the teacher
RACHCHH NIKUNJ VINODRAI from **Marwadi University, India**, has
completed a period from **07.05.2018** to **11.05.2018** to perform an
ERASMUS teaching mobility (number of teaching hours: 8) at
UNIVERSITY OF PITEȘTI, ROMANIA, as Erasmus participant in the
framework of ERASMUS+ programme, **Key Action 1 - Learning Mobility
of Individuals (KA107)**, project number **2017-1-RO01-KA107-035813**,
during the academic year 2017-2018.

I confirm that all teaching requirements have been carried out.

Date 11.05.2018

Signature:

Stamp:





ROMÂNIA
MINISTERUL EDUCAȚIEI NAȚIONALE
UNIVERSITATEA DIN PITEȘTI

Str. Târgu din Vale, nr. 1, Cod poștal 110040-Pitești, Jud. Argeș
Tel./fax: +40 348 453 100/123; CUI 4122183 CAEN 8542
<http://www.upit.ro>



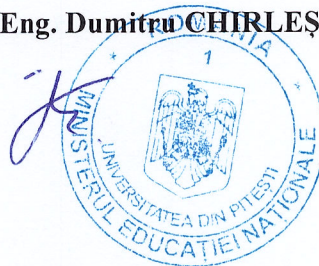
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INVITATION LETTER

Based on the Erasmus+ Inter-institutional Agreement signed between our institutions, we invite **Mr. RAJENDRASINH BAHADURSINH JADEJA** from **Marwadi University, Faculty of Technology**, to perform a Teaching Staff Mobility, below Erasmus+ Programme KA107, ref. no. **2017-1-RO01-KA107-035813**, in our university, **Faculty of Electronics, Communication and Computer Science**, between 15.01.2018-19.01.2018.

RECTOR,

Assoc. Prof. PhD. Eng. Dumitru **CHIRLEȘAN**





A W A R D *o f* A C H I E V E M E N T

P R E S E N T E D T O

S H I K H A S U R E N D R A S H U K L A

F O R S U C C E S S F U L L Y C O M P L E T I N G T H E O R A C L E A C A D E M Y

D a t a b a s e D e s i g n a n d P r o g r a m m i n g w i t h S Q L

F I N A L E X A M

11/7/2017

A handwritten signature in black ink, appearing to read "Anand", is written over a horizontal line.

Oracle Academy Instructor



AWARD *of* ACHIEVEMENT

PRESENTED TO

SHIVAM JETHALAL THACKER

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Database Design and Programming with SQL

FINAL EXAM

11/7/2017

A handwritten signature in black ink, appearing to read "Shivam", is written over a horizontal line.

Oracle Academy Instructor



AWARD *of* ACHIEVEMENT

PRESENTED TO

SHYAM NILESHBHAI HINDOCHA

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Database Design and Programming with SQL

FINAL EXAM

11/7/2017

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Oracle Academy Instructor



AWARD *of* ACHIEVEMENT

PRESENTED TO

SOHAM HIMANSHU PAREKH

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Database Design and Programming with SQL

FINAL EXAM

11/7/2017

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Oracle Academy Instructor



A W A R D *o f* A C H I E V E M E N T

P R E S E N T E D T O

S U D A R S H A N R

F O R S U C C E S S F U L L Y C O M P L E T I N G T H E O R A C L E A C A D E M Y

D a t a b a s e D e s i g n a n d P r o g r a m m i n g w i t h S Q L

F I N A L E X A M

11/7/2017

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Oracle Academy Instructor



AWARD *of* ACHIEVEMENT

PRESENTED TO

SWATI KHANDELWAL

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Database Design and Programming with SQL

FINAL EXAM

11/7/2017

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Oracle Academy Instructor



AWARD *of* ACHIEVEMENT

PRESENTED TO

TEJAS IQUBALBHAI CHARANIYA

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Database Design and Programming with SQL

FINAL EXAM

11/7/2017

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Oracle Academy Instructor



AWARD *of* ACHIEVEMENT

PRESENTED TO

TOSIF SATTARBHAI KUKKAD

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Database Design and Programming with SQL

FINAL EXAM

11/7/2017

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Oracle Academy Instructor



AWARD *of* ACHIEVEMENT

PRESENTED TO

TUSHAR HARESHKUMAR AHUJA

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Database Design and Programming with SQL

FINAL EXAM

11/7/2017

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Oracle Academy Instructor



AWARD *of* ACHIEVEMENT

PRESENTED TO

UNNATI HITESHBHAI GADOYA

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Database Design and Programming with SQL

FINAL EXAM

11/7/2017

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Oracle Academy Instructor



AWARD *of* ACHIEVEMENT

PRESENTED TO

URMI DIPAKBHAI SHAH

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Database Design and Programming with SQL

FINAL EXAM

11/7/2017

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Oracle Academy Instructor



AWARD *of* ACHIEVEMENT

PRESENTED TO

VAIBHAV KAMLESHBHAI BHATT

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Database Design and Programming with SQL

FINAL EXAM

11/7/2017

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Oracle Academy Instructor



AWARD *of* ACHIEVEMENT

PRESENTED TO

VIMAL DEVENDRA KASHYAP

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Database Design and Programming with SQL

FINAL EXAM

11/7/2017

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Oracle Academy Instructor



A W A R D *o f* A C H I E V E M E N T

P R E S E N T E D T O

V I S H A L K I S H O R G A M I

F O R S U C C E S S F U L L Y C O M P L E T I N G T H E O R A C L E A C A D E M Y

D a t a b a s e D e s i g n a n d P r o g r a m m i n g w i t h S Q L

F I N A L E X A M

11/7/2017

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Oracle Academy Instructor



AWARD *of* ACHIEVEMENT

PRESENTED TO

VIVEK SUDHIRBHAI CHAUHAN

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Database Design and Programming with SQL

FINAL EXAM

11/7/2017

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Oracle Academy Instructor



AWARD *of* ACHIEVEMENT

PRESENTED TO

YASH NAVNEETBHAI MENDAPARA

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Database Design and Programming with SQL

FINAL EXAM

11/7/2017

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Oracle Academy Instructor



AWARD *of* ACHIEVEMENT

PRESENTED TO

YASH RAMESHBHAI MATHUKIYA

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Database Design and Programming with SQL

FINAL EXAM

11/7/2017

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Oracle Academy Instructor



AWARD *of* ACHIEVEMENT

PRESENTED TO

YASHKUMAR RAMESHBHAI NIMAVAT

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Database Design and Programming with SQL

FINAL EXAM

11/7/2017

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Oracle Academy Instructor



AWARD *of* ACHIEVEMENT

PRESENTED TO

YUG MUKESHBHAI GONDALIYA

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Database Design and Programming with SQL

FINAL EXAM

11/7/2017

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Oracle Academy Instructor



AWARD *of* ACHIEVEMENT

PRESENTED TO

YUVRAJSINH SHAHAJIRAO SHINDE

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Database Design and Programming with SQL

FINAL EXAM

11/7/2017

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Oracle Academy Instructor



AWARD *of* ACHIEVEMENT

PRESENTED TO

ZENITH KALPESH POPAT

FOR SUCCESSFULLY COMPLETING THE ORACLE ACADEMY

Database Design and Programming with SQL

FINAL EXAM

11/7/2017

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Oracle Academy Instructor