THE ESSEX CHALLENGE

“WHEN WHAT WHERE”

VISHWANATHAN MOHAN
**INTRODUCTION**

- I am Vishuu Mohan, Lecturer in Robotics at CSEE, I am exactly one year old today...

- I am the Coordinator of the Essex Challenge (probably, the cause of all the trouble and may be some fun you will have this week!!!!)

- Essex Challenge is a part of the CE101 Module – Professional Development – No clash with timetable............... (other than..)
INTRODUCTION

• I AM VISHUU MOHAN, LECTURER IN ROBOTICS AT CSEE, I AM EXACTLY ONE YEAR OLD TODAY...

• I AM THE COORDINATOR OF THE ESSEX CHALLENGE (PROBABLY, THE CAUSE OF ALL THE TROUBLE AND MAY BE SOME FUN YOU WILL HAVE THIS WEEK!!!!)

• IN THE NEXT HALF HOUR -GIVE YOU AN OVERVIEW OF WHAT WE ARE GOING TO DO TOGETHER FOR THE REST OF THIS WEEK...

DON'T WORRY IF YOU MISS ANYTHING- MY SLIDES WILL BE AVAILABLE IN MOODLE PAGE OF ESSEX CHALLENGE

YOU CAN ALSO USE THE LISTEN AGAIN
TO GET STARTED

• BY USING MAGIC, WE HAVE DIVIDED YOU IN 56 TEAMS OF 6 PEOPLE EACH

• TEAM NAMES – A1, A2, ..... A56

• ALL OF YOU SHOULD HAVE BEEN ASSIGNED A TEAM
IF YOU STILL DO NOT KNOW WHICH TEAM YOU ARE IN...

- CHECK YOUR EMAIL (SUBJECT: IMPORTANT INFORMATION- ESSEX CHALLENGE GROUP ALLOCATIONS)
- IN THE ATTACHMENT, LOOK FOR YOUR NAME (TEAM NUMBER WILL BE IN THE SAME ROW)

**EXAMPLE**

<table>
<thead>
<tr>
<th>Student ID</th>
<th>Name</th>
<th>Course Code</th>
<th>Team Number</th>
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</thead>
<tbody>
<tr>
<td>1603949</td>
<td>BARKER; MATTHEW THOMAS</td>
<td>BSCG400</td>
<td>A40</td>
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<tr>
<td>1704695</td>
<td>BARROW; JAKE</td>
<td>BSCG401</td>
<td>A40</td>
</tr>
<tr>
<td>1604812</td>
<td>BARRY; ETHAN EDWARD</td>
<td>BSCG400</td>
<td>A40</td>
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<tr>
<td>1703769</td>
<td>BASHAR; MOHSEENUR</td>
<td>BSCG401</td>
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<td>1703477</td>
<td>BRANDRICK; THOMAS JOSEPH</td>
<td>BSCG400</td>
<td>A40</td>
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<td>1603525</td>
<td>BRETT; TANESHA LOUISE</td>
<td>BENGG420</td>
<td>A40</td>
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<td>1701367</td>
<td>BROWN; CHARLOTTE</td>
<td>BSCG612</td>
<td>A23</td>
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<tr>
<td>1601263</td>
<td>BUCK; DAVID WILLIAM JOHN</td>
<td>BSCG400</td>
<td>A41</td>
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</tbody>
</table>

IF YOUR NAME IS NOT IN THE LIST

- EITHER EMAIL MEGAN- MEGAN.CAPON@ESSEX.AC.UK
- I WILL ALLOCATE YOU A TEAM (AFTER THIS INTRODUCTORY SESSION), AROUND 12.30PM...
All relevant information will be up here...

https://moodle.essex.ac.uk/course/view.php?id=6563&section=5

I will provide you more information as we move along. In this presentation.

Every day I will update you on the list of activities the next day.
WHY ????
CREATE A NEW EDUCATIONAL EXPERIENCE FOR OUR FIRST YEAR STUDENTS

FIRST TIME...WE ARE DOING THIS
CREATE A **NEW EDUCATIONAL EXPERIENCE** FOR OUR FIRST YEAR STUDENTS

**FIRST TIME...WE ARE DOING THIS FIRST TIME...FOR ANY UK UNIVERSITY...**
CREATE A **NEW EDUCATIONAL EXPERIENCE** FOR OUR FIRST YEAR STUDENTS

**WHY? 1/3**

YOU GET TO KNOW US BETTER

**ENJOYABLE ICE BREAKER**

ICEBREAKER CHALLENGES

+ **DEPARTMENT INFRASTRUCTURE**

+ GAMES

+ ROBOTICS

+ BCI

+ DATA ANALYTICS

+ NLP
WE GET TO KNOW YOU BETTER (AS INDIVIDUALS AND A GROUP)

WHY? 2/3

ONLINE QUIZ

SUPPORT

SKILL
CREATE A NEW EDUCATIONAL EXPERIENCE FOR OUR FIRST YEAR STUDENTS

WHY? 3/3

CORE CHALLENGES WILL ENCOURAGE YOU TO....
CREATE A NEW EDUCATIONAL EXPERIENCE FOR OUR FIRST YEAR STUDENTS

WHY? 3/3

CORE CHALLENGES WILL ENCOURAGE YOU TO....
CREATE A **NEW EDUCATIONAL EXPERIENCE** FOR OUR FIRST YEAR STUDENTS

**WHY? 3/3**

**CORE CHALLENGES WILL ENCOURAGE YOU TO...**
CREATE A NEW EDUCATIONAL EXPERIENCE FOR OUR FIRST YEAR STUDENTS

WHY? 3/3

CORE CHALLENGES WILL ENCOURAGE YOU TO....
CREATE A NEW EDUCATIONAL EXPERIENCE FOR OUR FIRST YEAR STUDENTS

WHY? 3/3

MAKE SOMETHING WONDERFUL

PRODUCT BUILDING MINDSET

Idea

Data

Learn

Build

Measure

Product
In addition to the prizes to be won, activity in Week 2 involves:

- 10% of your course work marks for the C101 Professional Development Module

- If you complete all the tasks, you get full marks... (2+6+2)

- Challenges designed - No prerequisite knowledge, adequate support

- Challenges designed - They are enjoyable, develop curiosity to learn more
WHAT, WHEN, WHERE - FOR THIS WEEK......
TODAY'S MENU

12-12.30  SUSPENSE......(HOPE IT’S A GOOD ONE.....!!)
TODAY’S MENU

12-12.30  SUSPENSE......(HOPE IT’S A GOOD ONE....!!)

12.30-13.30  TEAM MEMBERS MEET (HOW?)
TODAY’S MENU

12-12.30  SUSPENSE.....(HOPE IT’S A GOOD ONE....!!)

12.30-13.30  TEAM MEMBERS MEET (HOW?)

AT THE MOMENT ALL OF YOU ARE
RANDOMLY SEATED AND MIGHT NOT
HAVE MET OTHER MEMBERS OF YOUR TEAM
TODAY’S MENU

12-12.30  SUSPENSE......(HOPE IT’S A GOOD ONE....!!)

12.30-13.30  TEAM MEMBERS MEET (HOW?)

AT THE MOMENT ALL OF YOU ARE RANDOMLY SEATED AND MIGHT NOT HAVE MET OTHER MEMBERS OF YOUR TEAM

OUR FIRST TASK

(A1) (A2) (A3) (A4) (A60)
TODAY’S MENU

12-12.30  SUSPENSE.....(HOPE IT’S A GOOD ONE.....!!)
12.30-13.30  TEAMS MEET
TODAY'S MENU

12-12.30  SUSPENSE.....(HOPE IT'S A GOOD ONE....!!)

12.30-13.30  TEAMS MEET

YOU WILL FIND VOLUNTEERS WHO
WILL HELP YOU GET ORGANIZED, MEET
OTHER MEMBERS OF YOUR TEAM

A40-A56  Go to square 1
A20-A40  Go to square 2
A1-A20  Stay here

WE ARE HERE
TODAY’S MENU

12-12.30  SUSPENSE......(HOPE IT’S A GOOD ONE....!!)

12.30-13.30  TEAMS MEET

WE NEED TO DO THIS IN 60 MINS AS ICE BREAKER CHALLENGES START AT 13.30!!!

A40-A56  Go to square 1

A20-A40  Go to square 2

A1-A20  Stay here

WE ARE HERE
TODAY’S MENU

13 PM - END OF TODAY

QUESTIONNAIRES
TAKEN INDIVIDUALLY

ICE-BREAKER CHALLENGES
SOLVED AS A TEAM
TODAY’S MENU

13 PM - END OF TODAY

QUESTIONNAIRES
TAKEN INDIVIDUALLY

ICE-BREAKER CHALLENGES
SOLVED AS A TEAM

• GO TO ESSEX CHALLENGE PAGE IN MOODLE..

• COMPUTER APTITUDE QUIZ AND MATHEMATICAL SKILLS QUIZ

• OVERALL 60 MINS

• TRY TO COMPLETE IT BY TUESDAY EVENING..11PM

2% OF COURSE WORK MARKS

• YOU CAN TAKE THE QUIZ IN YOUR SMARTPHONE, LAPTOP, OR ANY COMPUTER IN THE LABS

• YOU ALL NEED TO TAKE IT INDIVIDUALLY (DATA WILL HELP US INITIATE APPROPRIATE SUPPORT MECHANISMS)
TODAY'S MENU

13.30 PM - END OF TODAY

QUESTIONNAIRES

ICE-BREAKER CHALLENGES
SOLVED AS A TEAM

- TO BE SOLVED AS A TEAM FROM 1PM-4.30PM..
- THERE ARE 6 ICE BREAKERS
- EACH ICE BREAKER WILL GIVE YOU AN ANSWER
- THE ANSWERS NEED TO BE ENTERED INTO MOODLE
- TOP 3 TEAMS WHO SOLVE IT FASTEST WILL WIN PRIZES......

HOW YOU NEED TO SUBMIT YOUR ANSWERS—COMING IN THE NEXT SLIDES
ICE-BREAKER CHALLENGES

1. WHAT DID THE HEAD OF SCHOOL SAY AT 5.02 MINUTES INTO HIS PRESENTATION TODAY?

“Hello”
ICE-BREAKER CHALLENGES

1. WHAT DID THE HEAD OF SCHOOL SAY AT 5.02 MINUTES INTO HIS PRESENTATION TODAY?

2. FIND “PEPPER” IN THE CSEE DEPARTMENT AND TAKE A TEAM SELFIE....

   CLUE, CLUE....

“Hello” Photo
ICE-BREAKER CHALLENGES

1. WHAT DID THE HEAD OF SCHOOL SAY AT 5:02 MINUTES INTO HIS PRESENTATION TODAY?

2. FIND “PEPPER” IN THE CSEE DEPARTMENT AND TAKE A TEAM SELFIE....

3. WHAT IS THE NAME OF THE SCHOOLS NEWSLETTER? (AND ALSO WRITE A SENTENCE ABOUT WHY IT SHOULD HAVE BEEN NAMED SO...)

“Hello”+ Photo +NEWS+8912+1234
ICE-BREAKER CHALLENGES

1. WHAT DID THE HEAD OF SCHOOL SAY AT 5.02 MINUTES INTO HIS PRESENTATION TODAY?

2. FIND “PEPPER” IN THE CSEE DEPARTMENT AND TAKE A TEAM SELFIE....

3. WHAT IS THE NAME OF THE SCHOOLS NEWSLETTER? (AND ALSO WRITE A SENTENCE ABOUT WHY IT SHOULD HAVE BEEN NAMED SO...)

4. AS A TEAM LEARN TO JUGGLE....LIVE 30 MIN SESSION WITH KITS, TRAINERS.. (TENNIS COURTS)

“Hello”+ Photo +NEWS+ 8912
ICE-BREAKER CHALLENGES

1. WHAT DID THE HEAD OF SCHOOL SAY **AT 5.08 MINUTES** INTO HIS PRESENTATION TODAY?

2. **FIND “PEPPER” IN THE CSEE DEPARTMENT AND TAKE A TEAM SELFIE....**

3. **WHAT IS THE NAME OF THE SCHOOLS NEWSLETTER?** (AND ALSO THINK WHY IT SHOULD HAVE BEEN NAMED SO...)

4. **AS A TEAM LEARN TO JUGGLE....LIVE 30 MIN SESSION WITH KITS, TRAINERS.. (SECRET GARDEN SPACE)**

5. **LIBRARY TREASURE HUNT**

   "Hello"+ Photo +NEWS+8912+1234

   **THERE WILL BE STAFF FROM THE LIBRARY, PIERS WILLIAMS FROM THE ORGANIZING TEAM I WILL BE AROUND...**
ICE-BREAKER CHALLENGES

1. WHAT DID THE HEAD OF SCHOOL SAY AT 5.02 MINUTES INTO HIS PRESENTATION TODAY?

2. FIND “PEPPER” IN THE CSEE DEPARTMENT AND TAKE A TEAM SELFIE....

3. WHAT IS THE NAME OF THE SCHOOLS NEWSLETTER? (AND ALSO THINK WHY IT SHOULD HAVE BEEN NAMED SO...)

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5. LIBRARY TREASURE HUNT

"Hello"+ Photo +NEWS+8912+1234

TO SUBMIT YOUR ANSWERS

Go to Moodle- Upload a word document with your team number and answers
JUGGLING AND LIBRARY CHALLENGE- TIMINGS

1. WHAT DID THE HEAD OF SCHOOL SAY AT 5.02 MINUTES INTO HIS PRESENTATION TODAY?

2. FIND “PEPPER” IN THE CSEE DEPARTMENT AND TAKE A TEAM SELFIE....

3. WHAT IS THE NAME OF THE SCHOOLS NEWSLETTER? (AND ALSO THINK WHY IT SHOULD HAVE BEEN NAMED SO...)

4. AS A TEAM LEARN TO JUGGLE....LIVE 30 MIN SESSION WITH KITS, TRAINERS.. (SECRET GARDEN SPACE)

5. LIBRARY TREASURE HUNT

“Hello”+ Photo +NEWS+8912+1234

BECAUSE WE ARE AROUND 360 PEOPLE......
# Juggling and Library Challenge - Timings

**Go to Moodle page of Essex Challenge -**

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<td>Courts</td>
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2 SECONDS/DAY VIDEO COMPETITION RUNS ALL DAYS (MONDAY-FRIDAY)

Time is precious, just capture any moment you found interesting

Every team will have 10 second video or picture slide show at the end of this week.
2 SECONDS/DAY VIDEO COMPETITION RUNS ALL DAYS (MONDAY-FRIDAY)

TIME IS PRECIOUS, JUST CAPTURE ANY MOMENT YOU FOUND INTERESTING

Just last week!!

EVERY TEAM WILL HAVE 10 SECOND VIDEO OR PICTURE SLIDE SHOW AT THE END OF THIS WEEK
FROM TUESDAY TO THURSDAY-

• (11-1PM)- SPECIAL EVENTS IN THE IC LECTURE HALL

• AFTERNOONS- TEAMS WORK ON CORE CHALLENGES (IN VARIOUS LABS)
TUESDAY 11AM -1PM (IC LECTURE HALL B)

KEYNOTE LECTURE I

PURPOSEFUL INNOVATION- FOR OUR ULTRA CONNECTED WORLD

TIM WHITELY

MANAGING DIRECTOR, RESEARCH AND INNOVATION,
BRITISH TELECOM
TUESDAY 11AM -1PM (IC LECTURE HALL B)

KEYNOTE LECTURE I
PURPOSEFUL INNOVATION- FOR OUR ULTRA CONNECTED WORLD
TIM WHITELY
MANAGING DIRECTOR, RESEARCH AND INNOVATION,
BRITISH TELECOM

PRESENTATION WORKSHOP
TIM WEST
ACTOR/DIRECTOR
TUESDAY 11AM -1PM (IC LECTURE HALL B)

KEYNOTE LECTURE 1
PURPOSEFUL INNOVATION - FOR OUR ULTRA CONNECTED WORLD
TIM WHITELY
MANAGING DIRECTOR, RESEARCH AND INNOVATION, BRITISH TELECOM

PRESENTATION WORKSHOP
TIM WEST
ACTOR/DIRECTOR

WEDNESDAY 11AM -1PM (IC LECTURE HALL B)

KEYNOTE LECTURE 2
ARTIFICIAL INTELLIGENCE - PRESENT AND THE FUTURE
PROFESSOR HECTOR GEFFNER
UPF BARCELONA,
BOARD MEMBER OF EUR-AI
TUESDAY 11AM -1PM (IC LECTURE HALL B)

KEYNOTE LECTURE 1
PURPOSEFUL INNOVATION- FOR OUR ULTRA CONNECTED WORLD
TIM WHITELY
MANAGING DIRECTOR, RESEARCH AND INNOVATION,
BRITISH TELECOM

PRESENTATION WORKSHOP
TIM WEST
ACTOR/DIRECTOR

WEDNESDAY 11AM -1PM (IC LECTURE HALL B)

KEYNOTE LECTURE 2
ARTIFICIAL INTELLIGENCE - PRESENT AND THE FUTURE
PROFESSOR HECTOR GEFFNER
UPF BARCELONA,
BOARD MEMBER OF EUR-AI

THE ESSEX EXPERIENCE
TALK BY 2 FRONTRUNNERS AND
TALENT DEVELOPMENT CENTER
CORE TEAM CHALLENGES

• WE HAVE COME UP WITH 4 CORE CHALLENGES (ROBOTICS, GAMES, COMPUTER SCIENCE AND ELECTRONICS)

• NO PREREQUISITE KNOWLEDGE IS ASSUMED

• EVERY TEAM HAS BEEN ASSIGNED ONE CHALLENGE

• EVERY CHALLENGE HAS A MENTOR, ADDITIONAL SUPPORT IN TERMS OF GLA, ACCESS TO EQUIPMENT YOU MIGHT NEED

• ALL CHALLENGES ARE EQUIVALENT IN TERMS OF THE BASIC SKILLS YOU WILL EVENTUALLY GATHER
Introduce you to the core challenges (just the problem statement – no lecture)

Provide some information related to “labs, timings, team mentors”

(This is important because we are a large group, challenges take place in various labs at different times)
CHALLENGE 1 - PLANE HACKER
MENTORS - PROF. ADRIAN CLARK, DR. PRAFULLA DEO

• STANSTED AIRPORT
CHALLENGE 1- PLANE HACKER
MENTORS - PROF. ADRIAN CLARK, DR. PRAFULLA DEO

• EASTERN APPROACH TO STANSTED AIRPORT RUNS THROUGH COLCHESTER
**CHALLENGE 1- PLANE HACKER**

**MENTORS - PROF. ADRIAN CLARK, DR. PRAFULLA DEO**

- **EASTERN APPROACH** to STANSTED AIRPORT runs through COLCHESTER.

- **ALL MODERN DAY COMMERCIAL AIRCRAFTS TRANSMIT INFORMATION** about themselves and their flight. The transmissions contain a digital packet.
CHALLENGE 1- PLANE HACKER
MENTORS - PROF. ADRIAN CLARK, DR. PRAFULLA DEO

• EASTERN APPROACH TO STANSTED AIRPORT RUNS THROUGH COLCHESTER

• ALL MODERN DAY COMMERCIAL AIRCRAFTS TRANSMIT INFORMATION ABOUT THEMSELVES AND THEIR FLIGHT. THE TRANSMISSIONS CONTAIN A DIGITAL PACKET.

YOUR CHALLENGE
• Eastern approach to Stansted Airport runs through Colchester

• All modern day commercial aircrafts transmit information about themselves and their flight. The transmissions contain a digital packet.

**Your Challenge**

To build a system using Raspberry Pi- a single-board computer and other hardware components like antenna etc, that receives and displays transmissions from aero planes passing over us
CHALLENGE 1 - PLANE HACKER
MENTORS - PROF. ADRIAN CLARK, DR. PRAFULLA DEO

- Eastern approach to Stansted Airport runs through Colchester

- All modern day commercial aircrafts transmit information about themselves and their flight. The transmissions contain a digital packet.

YOUR CHALLENGE - OUR CHALLENGE

To build a system using Raspberry Pi, a single-board computer and other hardware components like antenna etc, that receives and displays transmissions from aero planes passing over us.

Work with you to get this done!!

- Every team will get their kits..
- Supervision (mentors/GLAS)
- User Manual (prepared by Adrian)
CHALLENGE 2 - CHATTERBOT ELIZA
MENTORS - DR JOHN WOODS AND PROF KUN YANG
CHALLENGE 2 - CHATTERBOT ELIZA
MENTORS - DR JOHN WOODS AND PROF KUN YANG

- Inspired by Turing Test (Alan Turing)
- Criteria of Intelligence, Every Year - Loebner Prize
- Ability of a Computer Program to Impersonate A Human in a Real-Time Written Conversation
- Conversation Engine

If you are chatting with some one - and you (as a human) cannot distinguish if the "Agent" you are chatting with is a human or a Chatterbot...
CHALLENGE 2 - CHATTERBOT ELIZA
MENTORS - DR JOHN WOODS AND PROF KUN YANG

- Inspired by Turing Test (Alan Turing)
- Criteria of Intelligence, Every Year - Loebner Prize
- Ability of a Computer Program to Impersonate a Human in a Real-Time Written Conversation
- Conversation Engine

YOUR CHALLENGE

ATTEMPT THE TURING TEST!

CREATE SUCH A CONVERSATION ENGINE USING PYTHON

OUR CHALLENGE
CHALLENGE 2 - CHATTERBOT ELIZA
MENTORS - DR JOHN WOODS AND PROF KUN YANG

• Inspired by Turing Test (Alan Turing)
• Criteria of Intelligence, every year - Loebner Prize
• Ability of a Computer Program to Impersonate a Human in a Real-Time Written Conversation
• Conversation Engine

Your Challenge - Our Challenge

Attempt the Turing Test!

Create such a Conversation Engine using Python

Work with you to get this done!!!

• Lab 01-03 reserved for this
• Supervision (Mentors/GLAS)
• User Manual with Templates (Prepared by John)
• Pass the Turing Test and ......
CHALLENGE 3 - VIKINGS BOARD GAME
MENTORS - PROF RICHARD BARTLE

- BOARD GAMES ARE FUN..

CHESS, LUDO, MONOPOLY, SCRABBLE, SNAKES AND LADDERS.....

THE GUARDIAN (MAY 2017)

The 10 most influential video games of all time - in pictures

From university experiments to Japanese arcade treasures, here are the titles that have inspired generations of game developers

MUD, 1978 AT UNIV OF ESSEX
CHALLENGE 3- VIKINGS BOARD GAME

MENTORS - PROF RICHARD BARTLE

- BOARD GAMES ARE FUN..
- THEY ARE IMPORTANT TOOLS THAT VIDEO GAME DESIGNERS USE TO PROTOTYPE/TEST THEIR IDEAS
- ALL FUTURE GAME DESIGNERS MUST HAVE SOME EXPERIENCE
CHALLENGE 3- VIKINGS BOARD GAME

MENTORS - PROF RICHARD BARTLE

• BOARD GAMES ARE FUN.
• THEY ARE IMPORTANT TOOLS THAT VIDEO GAME DESIGNERS USE TO PROTOTYPE/TEST THEIR IDEAS
• ALL FUTURE GAME DESIGNERS MUST HAVE SOME EXPERIENCE
• CREATIVITY, IMAGINATION, TEAMWORK
CHALLENGE 3 - VIKINGS BOARD GAME
MENTORS - PROF RICHARD BARTLE

- BOARD GAMES ARE FUN..
- THEY ARE **IMPORTANT TOOLS** THAT VIDEO GAME DESIGNERS USE TO PROTOTYPE/TEST THEIR IDEAS
- ALL FUTURE GAME DESIGNERS MUST HAVE SOME EXPERIENCE
- CREATIVITY, IMAGINATION, TEAMWORK

YOUR CHALLENGE

CREATE A NEW BOARD GAME (2-6 PLAYERS) ON THE TOPIC OF VIKINGS

IT'S UPTO YOUR IMAGINATION!!!
CHALLENGE 3 - VIKINGS BOARD GAME
MENTORS - PROF RICHARD BARTLE

- Board games are fun.
- They are important tools that video game designers use to prototype/test their ideas.
- All future game designers must have some experience.
- Creativity, imagination, teamwork.

YOUR CHALLENGE - OUR CHALLENGE

Create a new board game (2-6 players) on the topic of Vikings.

It's up to your imagination!!!
15 or lower rating please.........

Work with you to get this done!!!
- Will give you lots of interesting stuff (Viking stickers, treasure coins, dice, plastic pawns, gem stones, cubes, blank playing cards, funky foam......)
- Richard and two professional game designers will be there...
- A tutorial document ...
- Quite unique.........
CHALLENGE 4 - MARCOPOLO BOT
MENTOR - DR VISHUU MOHAN

- MARCO POLO - TRAVELER, EXPLORER
Challenge 4 - Marco Polo Bot

Mentor - Dr Vishuu Mohan

• Marco Polo - Traveler, Explorer

• Design a **Simple Controller** that will make the NAO robot walk to **specific continents** in the world map, when commanded by **speech**...
CHALLENGE 4 - MARCOPOLO BOT
MENTOR - DR VISHUU MOHAN

- MARCO POLO - TRAVELER, EXPLORER

- DESIGN A SIMPLE CONTROLLER THAT WILL MAKE THE NAO ROBOT WALK TO SPECIFIC CONTINENTS IN THE WORLD MAP, WHEN COMMANDED BY SPEECH...

YOUR CHALLENGE -
CHALLENGE 4 - MARCOPOLO BOT
MENTOR - DR VISHUU MOHAN

• MARCO POLO - TRAVELER, EXPLORER

• DESIGN A SIMPLE CONTROLLER THAT WILL MAKE THE NAO ROBOT WALK TO SPECIFIC CONTINENTS IN THE WORLD MAP, WHEN COMMANDED BY SPEECH...

YOUR CHALLENGE -  OUR CHALLENGE

WORK WITH YOU TO GET THIS DONE!!!
• GIVE YOU ACCESS TO THE ROBOT
• WORLD MAP
• SUPERVISION (MENTORS/GLA'S)
• USER MANUAL WITH INSTRUCTIONS (PREPARED BY ME)
Tutorials will be up in Moodle by 4.30pm today

https://moodle.essex.ac.uk/course/view.php?id=6563&section=5

It will be great if teams could just read it once before you meet your mentors tomorrow.....
INFO ABOUT- LABS, TIMINGS

OVERALL PLAN ON CORE CHALLENGES IN LABS

TUESDAY 1PM-4PM
TEAMS MEET THEIR MENTORS (VARIOUS LABS IN THE CSEE)

TUESDAY 4PM-6PM
TEAMS WORK ON THEIR CHALLENGES

WEDNESDAY 1PM-7PM
TEAMS WORK ON THEIR CHALLENGES

THURSDAY 9-12PM
TEAMS WORK ON THEIR CHALLENGES

THURSDAY 12-3PM
TEAMS MEET THEIR MENTORS (VARIOUS LABS IN THE CSEE)
INFO ABOUT- LABS, TIMINGS

DETAILED PLAN- WHICH LAB YOU NEED TO BE IN AND WHEN

LOG IN TO MOODLE AND
GO TO CE101 MODULE - ESSEX CHALELNGE
https://moodle.essex.ac.uk/course/view.php?id=6563&sec tion=5

FOR EXAMPLE, LETS LOOK AT TUESDAYS TIMETABLE......
INFO ABOUT- LABS, TIMINGS

DETAILED PLAN EXAMPLE- TUESDAY
FRIDAY ????
FRIDAY- TEAM PRESENTATION AT THE LAKESIDE THEATRE (5 MINS EACH)
FRIDAY- TEAM PRESENTATION AT THE LAKESIDE THEATRE...

• **EVERY TEAM GIVES A 5 MINUTE PRESENTATION**

• **SUMMARIZE THE WORK DONE BY YOUR TEAM (RELATED TO YOUR CHALLENGE)**

• **PRESENTATIONS AND 10 SEC VIDEOS MUST BE UPLOADED IN FASER BY THURSDAY MIDNIGHT**

• **TRY TO PRESENT CREATIVELY (VIDEOS, PHOTOS)**

• **THERE WILL BE AUDIENCE VOTE FOR THE BEST TEAM WORK/PRESENTATION**

• **HEAD OF SCHOOL, MENTORS, AND OTHER PEOPLE WILL BE ATTENDING**

• **TOP 3 TEAMS WILL WIN PRIZES**

IT WILL BE A FRIENDLY AND INFORMAL EVENT!!!
NO TIME FOR LUNCH
NO TIME FOR LUNCH

...TAKE A BREAK WHEN YOU WANT, ITS QUITE INFORMAL AND FRIENDLY, BUT DON'T DISAPPEAR......
SOCIAL MEDIA
**Social Media**

University of Essex Computer Science and Electronic Engineering
@uni.essex.csee

Please share any photos or videos you take during Week 2 on our Facebook page!!

Use the hashtag #makesomethingwonderful so we can see your tweets and pictures!

We're taking over the University's Instagram page @uniessex, if you'd like to take part in the takeover, please let us know!

If you are a keen Vlogger, Blogger, Writer or Photographer and you'd like to get involved in documenting the week, get in touch!

SEND AN EMAIL TO MEGAN () AND ME ()......
CASE STUDY
ANY KIND OF HELP

• If you need more assistance to do your challenge, have questions (email the mentors, their contact details will be there in the user manual that will be up in Moodle)

• Difficulty in understanding the timetable (figure out which lab you should be going, where is that lab)

  - Go to the School Office

  - School Office will also be able to answer many general questions
ANY KIND OF HELP

DR. VISHUU MOHAN

Office- 1NW.3.21 (Week 2- Mostly, I will be in the ground)

email- vm16090@essex.ac.uk

Please also put Megan and Grigorios in cc
(megan.capon@essex.ac.uk gkallia@essex.ac.uk)
Excellence and the Story of a sculptor!
IT'S GOING TO BE A BUSY WEEK!

I HOPE IT WILL BE FUN TOO!

BUT IF YOU CAN SOLVE THESE CHALLENGES IN 3 DAYS......
IT'S GOING TO BE A BUSY WEEK!

I HOPE IT WILL BE FUN TOO!

BUT IF YOU CAN SOLVE THESE CHALLENGES IN 3 DAYS....

NEXT 3 YEARS
So please participate actively, not only for marks, but for working/learning together......
THAT'S IT !! + ??????