MEMS tunable polarization rotator for optical communication -Timeplan W06 (1/24)
W07 (2/17)
W08 (2/14)
W09 (2/21)
W10 (2/28)
W11 (3/26)
W12 (3/13)
W13 (3/20)
W14 (3/27)
W15 (4/10)
W16 (4/10)
W17 (4/17)
W18 (4/24)
W19 (5/15)
W20 (5/8)
W20 (5/8)
W23 (5/29) Start End WBS Tasks Initial Setup 1/18/16 1/20/16 1.1 Setup plan 1/18/16 1/19/16 2 Days 100% 1.2 Setup gitRepo 1/19/16 1/19/16 1 Days 100% 1.3 Setup latex environment 1/20/16 1/20/16 1 Days 100% Literature Review 2/12/16 Optical waveguides, waveguide 2.1 modes, dielectric waveguides 1/21/16 1/25/16 5 Days 100% 2.2 High Polarization in optical waveguides 1/26/16 1/27/16 2 Days 100% 2.3 High Polarization components 1/28/16 1/29/16 2 Days 70% 24 Med BiWeekly report 1/29/16 1/29/16 1 Days 100% 2.5 Passive polarization rotators 2/01/16 2/02/16 2 Days 100% 2.6 Active polarization rotators 2/03/16 2/05/16 3 Days 100% 2.7 BiWeekly report 2/12/16 2/12/16 1 Days 30% 2.8 Current state of art 2/08/16 2/12/16 5 Days 0% 2 Days 0% In optical fiber communications 2/08/16 2.8.1 2/09/16 In silicon photonics-based ones 2/10/16 2/12/16 3 Days Learn and design Simulation **2/15/16** 2/26/16 12 Days Select simulation approach (Comsol, 3.1 2/15/16 2/19/16 CST) 5 Days 3.2 2/15/16 2/17/16 High Design use case 3 Days 0% 3.3 Run simulations 2/18/16 2/18/16 1 Days 0% 0% 3.4 2/19/16 2/19/16 1 Days Interpret results 3.5 Low Redesign and verify if required 2/22/16 2/26/16 5 Days 0% 1 Days 3.6 BiWeekly report 2/26/16 2/26/16 0% 4 Fabrication 2/29/16 3/18/16 19 Days 0% 2/29/16 3/18/16 19 Days 0% 4.1 Fabricate the design 1 Days 0% 4.2 BiWeekly report 3/18/16 3/18/16 **3/21/16** 3/27/16 Vacation 7 Days High Easter Holidays 3/21/16 3/27/16 7 Days 0% 5.1 3/28/16 4/15/16 Measurement setup and analysis 19 Days 6.1 Verify if setup is ready 3/28/16 3/29/16 2 Days 0% 6.2 Understand about the setup 3/30/16 4/01/16 3 Days 0% 6.3 BiWeekly report 4/01/16 4/01/16 1 Days 0% 6.4 Take measurements 4/04/16 4/08/16 5 Days 0% 6.5 ligh Analyze results 4/11/16 4/15/16 5 Days 0% Med BiWeekly report 4/15/16 4/15/16 66 1 Days 0% Optimize Design **4/18/16** 6/19/16 Design optimization, fabrication and 4/18/16 6/03/16 47 Days 0% 7.1 High measurement 7.2 Med BiWeekly report 4/30/16 4/30/16 1 Days 0% 5/20/16 5/20/16 1 Days 0% 7.3 Med BiWeekly report 7.4 Write Thesis Prepare Presentation 6/06/16 6/19/16 14 Days 0% Master Thesis opponent 6/20/16 6/28/16 9 Days 5 Days 0% Low Be an opponent in Master Thesis 6/20/16 6/24/16 1 Days Low Be present in 2 presentations 6/24/16 6/24/16 8.2 Write conclusions/review for 6/28/16 6/28/16 1 Days 0% opponent