'G' Division - Course Project Schedule 2019-2020

13-Sep-2019

http://

Project manager

Project dates 19-Aug-2019 - 07-Dec-2019

Completion0%Tasks20Resources0

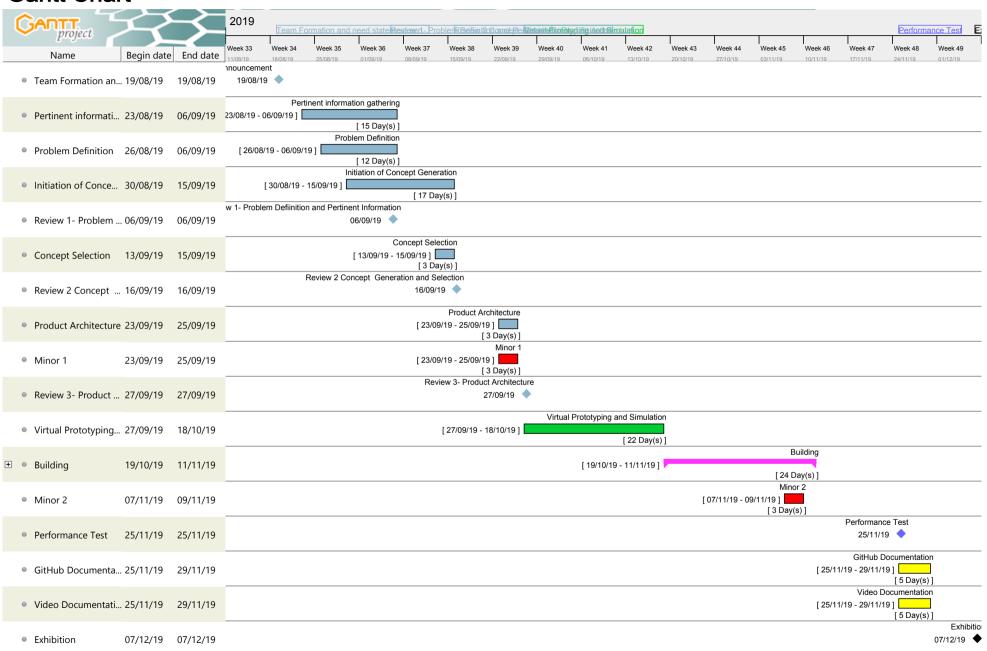
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Tasks

Name	Begin date	End date
Team Formation and need statement announcement	19/08/19	19/08/19
Pertinent information gathering	23/08/19	06/09/19
Problem Definition	26/08/19	06/09/19
Initiation of Concept Generation	30/08/19	15/09/19
Review 1- Problem Defiinition and Pertinent Information	06/09/19	06/09/19
Concept Selection	13/09/19	15/09/19
Review 2 Concept Generation and Selection	16/09/19	16/09/19
Product Architecture	23/09/19	25/09/19
Minor 1	23/09/19	25/09/19
Review 3- Product Architecture	27/09/19	27/09/19
Virtual Prototyping and Simulation	27/09/19	18/10/19
Building	19/10/19	11/11/19
Sprint 1	19/10/19	28/10/19
Sprint 2	29/10/19	11/11/19
Sprint 3	07/11/19	09/11/19
Minor 2	07/11/19	09/11/19
Performance Test	25/11/19	25/11/19
GitHub Documentation	25/11/19	29/11/19
Video Documentation	25/11/19	29/11/19
Exhibition	07/12/19	07/12/19

3

Gantt Chart



Resources Chart

2019

| Team Formation and need state | Review of a | Problem Partition | Problem Part

4

'G' Division - Course Project Schedule 2019-2020

13-Sep-2019

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Project manager

Project dates 19-Aug-2019 - 07-Dec-2019

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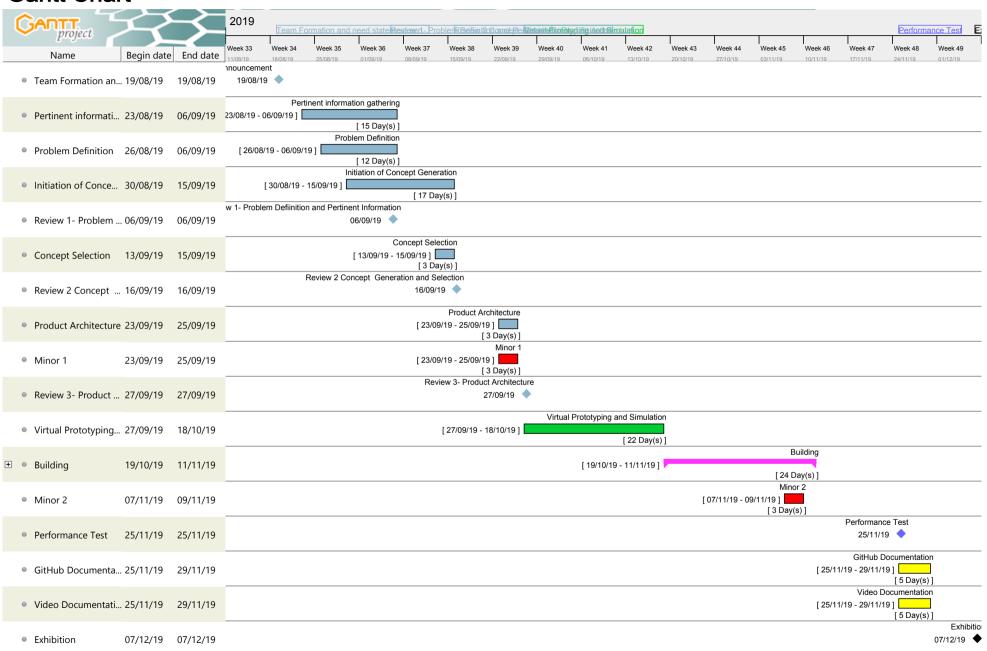
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Gantt Chart



Resources Chart

2019

| Team Formation and need state | Review of a | Problem Partition | Problem Part

4



B. V. Bhoomaraddi College Campus, Vidyanagar, Hubballi - 580031. Karnataka (India)

CENTRE FOR ENGINEERING EDUCATION RESEARCH

Subject Code:- 15ECRP101

Sem:- II sem

Academic Year: - 2018-2019(Even Semester)

			8.00	OAM t	o 11.0)OAN	l				1.3	OPM	to	4.30	PM		
	H	Div (LHC10)1)		Q Div	(LHC2	201)	K	Div (L	HC10	1)		L	Div (L	HC20	01)
Monday	NP	MA	RA	DM	V	PE	3 JG	DB	MP	SK	MA	RA		KM	NP	DB	SV
	J	Div (L	HC10	1)		D Div	(LHC2	201)	M	Div (LHC1	01)		K	Div (L	HC20	01)
Tuesday	SV	SK	MA	RA	Je	i PN	I VT	MP	AK	KM	JG	VT		PN	DM	DB	MP
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Wednesday	MP	SK	MA	RA	V	PE	3 JG	DB	PB	AK	JG	DB		MA	SK	MP	RA
	O	Div (LHC10)1)		_ Div	(LHC2	01)	H	Div (L	HC10)1)		P	Div (L	HC20	01)
Thursday	JG	PN	VT	MP	KN	1 NF	DB	SV	NP	MA	RA	DM		PB	AK	JG	DB
	M	Div (LHC10	01)		V Div	(LHC2	.01)	J.	Div (L	HC10	1)		K	Div (L	HC20	01)
Friday	AK	KM	JG	VT	M	A SK	MP	RA	SV	SK	MA	RA		PN	DM	DB	MP

Course Coordinator

Director, CEER

Center for Engineering Education Reseach K.L.E. Techanological University, Hubballi-31.



Assessment criteria	Exceeds Expectations	Meets Expectations	Needs Improvement
Objectives	Team is able to clearly and succinctly state objectives (at least 4) and all the objectives are relevant to need statement (3 marks)	Team is able to clearly and succinctly state objectives(at least 4) and most of the objectives are relevant to need statement (2 marks)	Team is able to identify relevant objectives with instructors assistance (1 – 0 marks)
Constraints	Team is able to identify most of the constraints that are relevant to need statement (3 marks)	Team is able to identify a few of the constraints that are relevant to need statement (2 marks)	Team has hazy idea about the constraints relevant to need statement (1 – 0 marks)
Functions	Team is able to identify functions addressing all the objectives (3 marks)	Team is able to identify a few functions addressing the objectives (2 marks)	Team has hazy idea about the functions (1 0 marks)

Team No	Roll Numbers	Marks (A+B+C)/3	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
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Team No	Roll Numbers	Marks (A+B+C)/3	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
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Engineering Exploration Course Project 2019-2020, Odd Semester.

Assessment criteria	Exceeds Expectations	Meets Expectations	Needs Improvement	
Objectives	Team is able to clearly and succinctly state objectives(at least 4) and all the objectives are relevant to need statement (3 marks)	Team is able to clearly and succinctly state objectives(at least 4) and most of the objectives are relevant to need statement 2 marks)	Team is able to identify relevant objectives with instructors assistance (1 – 0 marks)	
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-Team No	Roll Numbers	Marks (A+B+C)/3	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
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Team	Roll Numbers	Marks (A+B+C)/3	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
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Engineering Exploration Course Project 2019-2020, Odd Semester.

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Team No	Roll Numbers	Marks (A+B+C)/3	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with
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Assessment criteria	Exceeds Expectations	Meets Expectations	Needs Improvement
A. Diversity	Team is able to ideate a diverse set of solutions. All solutions are unique and no two solutions appear similar. Team has put in genuine efforts in ideating solutions and has not fixated themselves to a particular solution. (# marks)	Team with a little intervention is able to ideate better solutions which are diverse. (3-2 marks)	Team needs major intervention for ideating diverse set of solutions. Team has not put in genuine efforts in ideating solutions and has fixated themselves to a particular solution. (1-0 marks)
B. Feasibility	Team is aware of the skill set and resources needed for the implementation of solutions developed. The solutions are doable within the budget and deadlines specified according to the project schedule. (4/marks)	Team is able to explain the skill set and resources needed for the implementation of solutions. The solutions become doable within the specified budget and deadlines with minor intervention. (3-2 marks)	Needs major intervention from the instructor since team is not able to explain the resources needed for implementation and the solutions are not doable within specified budget and deadlines. (1-0 marks)
C. Innovation	Team has put in significant efforts to be creative and has come up with at least 2 solutions which are innovative (out of box solutions, unconventional solutions or novel solutions). (4 marks)	Team has put in a little effort to be creative and has come with a concept which is innovative (out of box solutions, unconventional solutions or novel solutions). (3-2 marks)	Team has not put in any efforts to be creative and no solutions appear innovative. (1-0 marks)

Team No	Roll Numbers	Marks (A+B+C)/3	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
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Engineering Exploration Course Project 2019-2020, Odd Semester.

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Team No	Roll Numbers	Marks (A+B+C)/3	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
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Engineering Exploration Course Project 2019-2020, Odd Semester.

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B. Feasibility	Team is aware of the skill set and resources needed for the implementation of solutions developed. The solutions are doable within the budget and deadlines specified according to the project schedule. (4 marks)	Team is able to explain the skill set and resources needed for the implementation of solutions. The solutions become doable within the specified budget and deadlines with minor intervention.	Needs major intervention from the instructor since team is not able to explain the resources needed for implementation and the solutions are not doable within specified budget and deadlines. (10 marks)	
C. Innovation	Team has put in significant efforts to be creative and has come up with at least 2 solutions which are innovative (out of box solutions, unconventional solutions or novel solutions). (4 marks)	Team has put in a little effort to be creative and has come with a concept which is innovative (out of box solutions, unconventional solutions or novel solutions)(.(3-2 marks)	Team has not put in any efforts to be creative and no solutions appear innovative. (100 marks)	

Marks **Student Signature** Reviewer 1 Sign with Reviewer 2 Sign with **Roll Numbers** Team (A+B+C)/3date date No



Engineering Exploration Course Project 2019-2020, Odd Semester.

Assessment criteria	Exceeds Expectations	Meets Expectations	Needs Improvement
A. Diversity	Team is able to ideate a diverse set of solutions. All solutions are unique and no two solutions appear similar. Team has put in genuine efforts in ideating solutions and has not fixated themselves to a particular solution. (4) marks)	Team with a little intervention is able to ideate better solutions which are diverse. (3-2 marks)	Team needs major intervention for ideating diverse set of solutions. Team has not put in genuine efforts in ideating solutions and has fixated themselves to a particular solution. (1-0 marks)
B. Feasibility	Team is aware of the skill set and resources needed for the implementation of solutions developed. The solutions are doable within the budget and deadlines specified according to the project schedule. (4 marks)	Team is able to explain the skill set and resources needed for the implementation of solutions. The solutions become doable within the specified budget and deadlines with minor intervention. (3-2 marks)	Needs major intervention from the instructor since team is not able to explain the resources needed for implementation and the solutions are not doable within specified budget and deadlines. (1-0 marks)
C. Innovation	Team has put in significant efforts to be creative and has come up with at least 2 solutions which are innovative (out of box solutions, unconventional solutions or novel solutions). (4 marks)	Team has put in a little effort to be creative and has come with a concept which is innovative (out of box solutions, unconventional solutions or novel solutions). (3-2 marks)	Team has not put in any efforts to be creative and no solutions appear innovative. (1-0 marks)

Team No	Roll Numbers	Marks (A+B+C)/3	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
6.	(702) 418 - 745 759	/0/>	Veena. N. H Re-ex Forthuli	Figger College	· Kriga



Engineering Exploration Course Project 2019-2020, Odd Semester.

Assessment criteria	Exceeds Expectations	Meets Expectations	Needs Improvement
A. Diversity	Team is able to ideate a diverse set of solutions. All solutions are unique and no two solutions appear similar. Team has put in genuine efforts in ideating solutions and has not fixated themselves to a particular solution. (4 marks)	Team with a little intervention is able to ideate better solutions which are diverse. 32 marks)	Team needs major intervention for ideating diverse set of solutions. Team has not put in genuine efforts in ideating solutions and has fixated themselves to a particular solution. (1-0 marks)
B. Feasibility	Team is aware of the skill set and resources needed for the implementation of solutions developed. The solutions are doable within the budget and deadlines specified according to the project schedule. (4 marks)	Team is able to explain the skill set and resources needed for the implementation of solutions. The solutions become doable within the specified budget and deadlines with minor intervention. (32 marks)	Needs major intervention from the instructor since team is not able to explain the resources needed for implementation and the solutions are not doable within specified budget and deadlines. (1-0 marks)
C. Innovation	Team has put in significant efforts to be creative and has come up with at least 2 solutions which are innovative (out of box solutions, unconventional solutions or novel solutions). (4 marks)	Team has put in a little effort to be creative and has come with a concept which is innovative (out of box solutions, unconventional solutions or novel solutions). (3@marks)	Team has not put in any efforts to be creative and no solutions appear innovative. (1,0 marks)

Team No	Roll Numbers	Marks (A+B+C)/3	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
07	732 712 738 749	3 1/3	Pyciti:	Carlos Server	10/10/



Engineering Exploration Course Project 2019-2020, Odd Semester.

Assessment criteria	Exceeds Expectations	Meets Expectations	Needs Improvement	
A. Diversity	Team is able to ideate a diverse set of solutions. All solutions are unique and no two solutions appear similar. Team has put in genuine efforts in ideating solutions and has not fixated themselves to a particular solution. (4 marks)	Team with a little intervention is able to ideate better solutions which are diverse. (3-2 marks)	Team needs major intervention for ideating diverse set of solutions. Team has not put in genuine efforts in ideating solutions and has fixated themselves to a particular solution.	
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Team No	Roll Numbers	Marks (A+B+C)/3	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
8	#30 #09 #60	1872	Jew Deve	Later 16/01	Milos

This assessment addresses CO 3: Build engineering systems using engineering design process.

CA 3.2: Demonstrate an ability to generate a diverse set of alternative design solutions.

PI 3.2.1: Apply formal idea generation tools to develop multiple engineering design solutions.



Engineering Exploration Course Project 2019-2020, Odd Semester.

Assessment criteria	Exceeds Expectations	Meets Expectations	Needs Improvement	
A. Diversity	Team is able to ideate a diverse set of solutions. All solutions are unique and no two solutions appear similar. Team has put in genuine efforts in ideating solutions and has not fixated themselves to a particular solution. (4 marks)	Team with a little intervention is able to ideate better solutions which are diverse. (3-2 marks)	Team needs major intervention for ideating diverse set of solutions. Team has not put in genuine efforts in ideating solutions and has fixated themselves to a particular solution. (1-0 marks)	
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C. Innovation	Team has put in significant efforts to be creative and has come up with at least 2 solutions which are innovative (out of box solutions, unconventional solutions or novel solutions). (4 marks)	Team has put in a little effort to be creative and has come with a concept which is innovative (out of box solutions, unconventional solutions or novel solutions). (3-2 marks)	Team has not put in any efforts to be creative and no solutions appear innovative. (1-0 marks)	

Team No	Roll Numbers	Marks (A+B+C)/3	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
9	713 729 744 780	3132-13	Monardi Merri		10 /09



Engineering Exploration Course Project 2019-2020, Odd Semester.

Assessment criteria	Exceeds Expectations	Meets Expectations	Needs Improvement	
A. Diversity Team is able to ideate a diverse set of solution All solutions are unique and no two solutions appear similar. Team has put in genuine effor in ideating solutions and has not fixated themselves to a particular solution. (4 marks)		Team with a little intervention is able to ideate better solutions which are diverse. (3)2 marks)	Team needs major intervention for ideating diverse set of solutions. Team has not put in genuine efforts in ideating solutions and has fixated themselves to a particular solution. (1-0 marks)	
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Team No	Roll Numbers	Marks (A+B+C)/3	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
10	708 736	w/3	Paleoni Ab	his	



Engineering Exploration Course Project 2019-2020, Odd Semester.

Assessment criteria	Exceeds Expectations	Meets Expectations	Needs Improvement	
A. Diversity	Team is able to ideate a diverse set of solutions. All solutions are unique and no two solutions appear similar. Team has put in genuine efforts in ideating solutions and has not fixated themselves to a particular solution. (4 marks)	Team with a little intervention is able to ideate better solutions which are diverse. (3-2 marks)	Team needs major intervention for ideating diverse set of solutions. Team has not put in genuine efforts in ideating solutions and has fixated themselves to a particular solution. (1-0 marks)	
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Team No	Roll Numbers	Marks (A+B+C)/3	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
11	740 703 104 728	3/3	Phiremath Can	hun	Karalen S



Engineering Exploration Course Project 2019-2020, Odd Semester.

Assessment criteria	Exceeds Expectations	Meets Expectations	Needs Improvement
A. Diversity	Team is able to ideate a diverse set of solutions. All solutions are unique and no two solutions appear similar. Team has put in genuine efforts in ideating solutions and has not fixated themselves to a particular solution. (4 marks)	Team with a little intervention is able to ideate better solutions which are diverse. (3-2 marks)	Team needs major intervention for ideating diverse set of solutions. Team has not put in genuine efforts in ideating solutions and has fixated themselves to a particular solution. (1-0 marks)
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Team No	Roll Numbers	Marks (A+B+C)/3	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
12	710. 70 5 748 753	2/2	Rolling P. Dr.	par	1 1 1 1 1 1 1 1 1 1



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Team No	Roll Numbers	Marks (A+B+C)/3	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
13	746 752 401 747	43 40	Comathopalo Bakil Pruja.	Dadish	Mar



Engineering Exploration Course Project 2019-2020, Odd Semester.

Assessment criteria	Exceeds Expectations	Meets Expectations	Needs Improvement
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Team No	Roll Numbers	Marks (A+B+C)/3	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
14	714 735 739 736	3+3+2	AB.	Addist.	· har

This assessment addresses

CO 3: Build engineering systems using engineering design process.

CA 3.2: Demonstrate an ability to generate a diverse set of alternative design solutions.

PI 3.2.1: Apply formal idea generation tools to develop multiple engineering design solutions.



Assessment criteria	Exceeds Expectations	Meets Expectations	Needs Improvement
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Team No	Roll Numbers	Marks (A+B+C)/3	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
15	757 717 723 707	wy 3 %	Dead	Dodine	Mi



Engineering Exploration Course Project 2019-2020, Odd Semester.

Assessment criteria	Exceeds Expectations	Meets Expectations	Needs Improvement
A. Diversity	Team is able to ideate a diverse set of solutions. All solutions are unique and no two solutions appear similar. Team has put in genuine efforts in ideating solutions and has not fixated themselves to a particular solution. (4 marks)	Team with a little intervention is able to ideate better solutions which are diverse. (3-2 marks)	Team needs major intervention for ideating diverse set of solutions. Team has not put in genuine efforts in ideating solutions and has fixated themselves to a particular solution. (1-0 marks)
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Team No	Roll Numbers	Marks (A+B+C)/3	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
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16	762	MANA	General .	a od	Non
	765	7 5	Sky).	- And -	

This assessment addresses

CO 3: Build engineering systems using engineering design process.

CA 3.2: Demonstrate an ability to generate a diverse set of alternative design solutions.

PI 3.2.1: Apply formal idea generation tools to develop multiple engineering design solutions.



Engineering Exploration Course Project 2019-2020, Odd Semester.

Assessment criteria	Exceeds Expectations	Meets Expectations	Needs Improvement
Sub System List	Student team is able to come up with sub system list by properly clustering the functions and sub functions. (3 marks)	Student team with minor instructor intervention is able to do proper clustering and hence create sub system list. (2 mark)	Student team needs major modifications. (1 marks)
Interaction Details	Student team is able to identify and list all possible interaction details between the sub systems. (3 marks)	Student team with minor instructor intervention is able to identify all possible interactions. (2 marks)	Student team has not put in any effort to identify the interaction details and needs major intervention. (1 mark)

Team No	Roll Numbers	Marks (A+B)/2	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
01	715 716 727	3		15/09	loa loa



Engineering Exploration Course Project 2019-2020, Odd Semester.

Assessment criteria	Exceeds Expectations	Meets Expectations	Needs Improvement
Sub System List	Student team is able to come up with sub system list by properly clustering the functions and sub functions. (3 marks)	Student team with minor instructor intervention is able to do proper clustering and hence create sub system list. (2 mark)	Student team needs major modifications. (1 marks)
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Team No	Roll Numbers	Marks (A+B)/2	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
2	711 713 733 756	3 × 3	Open 9 Pradeepa Sitt	15/09	Markey Da



Engineering Exploration Course Project 2019-2020, Odd Semester.

Assessment criteria	Exceeds Expectations	Meets Expectations	Needs Improvement
Sub System List	Student team is able to come up with sub system list by properly clustering the functions and sub functions. (3 marks)	Student team with minor instructor intervention is able to do proper clustering and hence create sub system list. (2 mark)	Student team needs major modifications. (1 marks)
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Team No	Roll Numbers	Marks (A+B)/2	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
3	706 724 754	252	peoples Pacylan	harde of the said	



Engineering Exploration Course Project 2019-2020, Odd Semester.

Assessment criteria	Exceeds Expectations	Meets Expectations	Needs Improvement
Sub System List	Student team is able to come up with sub system list by properly clustering the functions and sub functions. (3 marks)	Student team with minor instructor intervention is able to do proper clustering and hence create sub system list. (2 mark)	Student team needs major modifications. (1 marks)
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Team No	Roll Numbers	Marks (A+B)/2	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
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Engineering Exploration Course Project 2019-2020, Odd Semester.

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Team No	Roll Numbers	Marks (A+B)/2	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
05	741 731 725 743	2	Kle	Carlo od	Q15/09



Review 3 (Product Architecture) Rubrics Sheet Engineering Exploration Course Project 2019-2020, Odd Semester.

Assessment criteria	Exceeds Expectations	Meets Expectations	Needs Improvement
Sub System List	Student team is able to come up with sub system list by properly clustering the functions and sub functions. (3 marks)	Student team with minor instructor intervention is able to do proper clustering and hence create sub system list. (2 mark)	Student team needs major modifications. (1 marks)
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Team No	Roll Numbers	Marks (A+B)/2	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
06	702 745 718 759	2	Meero M Farthile Nitella	Carlos Carlos	15/00



Review 3 (Product Architecture) Rubrics Sheet Engineering Exploration Course Project 2019-2020, Odd Semester.

Assessment criteria	Exceeds Expectations	Meets Expectations	Needs Improvement
Sub System List	Student team is able to come up with sub system list by properly clustering the functions and sub functions. (3 marks)	Student team with minor instructor intervention is able to do proper clustering and hence create sub system list. (2 mark)	Student team needs major modifications. (1 marks)
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Team No	Roll Numbers	Marks (A+B)/2	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
Q 7	749 738 712 732	(3)	Almer Almer	Capper Joa	To a



Assessment criteria	Exceeds Expectations	Meets Expectations	Needs Improvement	
Sub System List	Student team is able to come up with sub system list by properly clustering the functions and sub functions. (3 marks)	Student team with minor instructor intervention is able to do proper clustering and hence create sub system list. (2 mark)	Student team needs major modifications. (1 marks)	
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Team No	Roll Numbers	Marks (A+B)/2	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
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Engineering Exploration Course Project 2019-2020, Odd Semester.

Assessment criteria	Exceeds Expectations	Meets Expectations	Needs Improvement
Sub System List	Student team is able to come up with sub system list by properly clustering the functions and sub functions. (3 marks)	Student team with minor instructor intervention is able to do proper clustering and hence create sub system list. (2 mark)	Student team needs major modifications. (1 marks)
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Team No	Roll Numbers	Marks (A+B)/2	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
13	701	2	Challogali della	8/40	1000



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Team No	Roll Numbers	Marks (A+B)/2	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
M	735 739 714	(3)	Appl AB	Pison	Carlos Con



Review 3 (Product Architecture) Rubrics Sheet Engineering Exploration Course Project 2019-2020, Odd Semester.

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Team No	Roll Numbers	Marks (A+B)/2	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
15.	757 747 703 717	1	Ruya Aleston coo	13/09	3 3



Assessment criteria	Exceeds Expectations	Meets Expectations	Needs Improvement
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Team No	Roll Numbers	Marks (A+B)/2	Student Signature	Reviewer 1 Sign with date	Reviewer 2 Sign with date
	763	0	Fried		
	761	345	0 S S S S S S S S S S S S S S S S S S S		, day
16	762	1 2	ganges .	Mrs	
	765-	0	dengh.	18/10	Bar 1