S. J. P. N. Trust's

Hirasugar Institute of Technology, Nidasoshi

"Inculcating Values, Promoting Prosperity"

(Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka & Affiliated to VTU Belagavi)

Department of : CS&E / E&CE / E&EE / ME / M. Tech.

INTERNAL ASSESSMENT BOOK

Name : Amogh. Daddi Year : 2018

Sem. : II - Sem Div. : A

Roll No. : 005 2HN17EC005

Course : Basic electronics Code : 17ELN25

EVALUATION REPORT

Test No.	Date	No. of Pages Used	Max. Marks	Marks Obtained	Student Signature	Faculty Signature
I	07-03-18	1-7	30	21		
II	13-04-18	8-15	30	30		
III	20-05-18	16-22	30	26		
		Avg. I. A. Marks	30	26		
		Assignment / Quiz Marks	10	10		
		Final I. A. Marks Out of	40	36		

H. O. D.

Shri Duradundeeshwar Press, Sankeshwar

VISION

To be a preferred institution in Engineering Education by achieving excellence in teaching and research and to remain as a source of pride for its commitment to holistic development of individual and society.

MISSION

To continuously strive for the overall development of students by educating them in a state of the art infrastructure, by retaining the best practices, people and inspire them to imbibe real time problem solving skills, leadership qualities, human values and societal commitments, so that they emerge as competent professionals.

I - Internal Assessment Marks Distribution

Q.No.	a	b	c	d	Total
1	6	6			12
2					
3					
4	7	2			09
				Total	21

II - Internal Assessment Marks Distribution

Q.No.	a	b	c	d	Total
1					
2	7	8			15
3	4	7			11 Bonus
4	8	7			15
				Total	30

III - Internal Assessment Marks Distribution

Q.No.	a	b	c	d	Total
1					
2	4	7			11
3	7	8			15
4					
				Total	26

Date: 24/04/2018

NOTICE

The following students are hereby informed to attend the counseling meeting with parents to discuss about low performance in the II -Internal Assessment (IA) as per the schedule given below.

Class:IV Sem. Date of Counseling: 28 /04/2018 Time: 1.00 pm

USN	Signature
2HN15EC031	
2HN16EC001	
2HN16EC035	
2HN16EC039	
2HN17EC400	

Class:VI-Sem. Date of Counseling: 28 /04/2018 Time: 1.15 pm

USN	Signature	USN	Signature	USN	Signature
2HN15EC002		2HN15EC026		2HN15EC039	
2HN15EC007		2HN15EC027		2HN15EC044	
2HN15EC010		2HN15EC029		2HN16EC406	
2HN15EC015		2HN15EC030		2HN16EC409	
2HN15EC018		2HN15EC034		2HN16EC418	
2HN15EC025		2HN15EC038		2HN16EC419	
2HN16EC421					

Class:VIII Sem. Date of Counseling: 28/04/2018 Time: 1.30 pm

USN	Signature	USN	Signature	USN	Signature
2HN12EC010		2HN14EC003		2HN15EC420	S.B. Bagali
2HN13EC018		2HN14EC022		2HN15EC400	
2HN13EC030		2HN14EC031		2HN15EC401	
2HN15EC402					

Central Counseling Coordinators

IV VI VIII

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HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGG.

ACADEMIC COUNSELING/GUIDANCE REPORT

Class: IVth Div.: Date & time: 28/04/2018 Place: HOD Chamber

USN	Name of the student	Explanation/Reason(s) for irregularities	Action Initiated / Advice given	Signature Of	
				Student	Parent/ Guardian
2HNISEC031	SANKETH B PIMPLE	POOR PERFORMANCE & Absent	To steady hard for IIIrd IA & final exam		
16EC001	ABHISHEK KHADAKBHAVI	Absent & Low performance			
16EC035	SOUNDARYA PATIL	poor performance	To steady hard for IIIrd IA		
16EC039	SURESH MUNJE	poor performance	To prepare nicely for IIIrd IA		
17EC400	SUDEENDRA KULKAR -NI	poor performance & Absent	To prepare nicely for IIIrd IA		

Committee Members Remarks (if any): Adviced to perform nicely in IIIrd IA

Name & Sign. of Committee Members: 1. 4th sem. 2. 8th sem. 3. 8th sem. 4.

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ECE	
V.01	
Counselling	
APR March-2018	

	USN	Name of the Student	Maths IV		MP		CS		S & s		PCS		LIC	
			Marks	%Atten	Marks	%Atten	Marks	%Atten	Marks	%Atten	Marks	%Atten	Marks	%Atten
1	2HN15EC031	Sanketh. B. pimple	12	60	18	44	19	65	0	81	10	59	AB	50
2	16EC001	Abhishek. R. Khadakbhavi	16	88	19	85	23	85	7	94	11	89	AB	94
3	16EC035	Miss Soundarya. B. patil	12	88	17	70	15	75	11	81	11	89	09	63
4	16EC039	Suresh. M. Manje	17	92	12	78	14	80	00	81	08	93	12	94
5	17EC400	Sudeendra. S Kulkarni	AB	96	15	67	10	85	00	88	07	93	AB	81
6														
7														
8														
9														
10														
11														

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGG.

ACADEMIC COUNSELING/GUIDANCE REPORT

Class: 6 Div.: Date & time: 28/04/2018 Place: HOD Chamber

USN 2HN	Name of the student	Explanation/Reason(s) for irregularities.	Action Initiated / Advice given	Signature Of: Student	Signature Of: Parent/ Guardian
15EC002	Akshata Jamakhandi	Absent in two subject & less attendance in two subject	Asked to produce the medical certificate		
007	Bhavani Shirdalkar	Absent for two subject & IA marks less than 15 for two subject	Asked to improve in next Jumpa (II IA)		
010	Jagadeesh Managavi	Less than 15 marks out of 25 in 5 subject & less than 85% attendance in three subject	Advised to meet HOD sir along with parents for further clarification for improvement		
015	Krishal Baragi	2 subject Absent + 3 subject less than 15 marks and most of the subject attendance is not satisfactory	Advised to meet HOD sir along with parents		
018	Mohan Bajarapani	Less attendance percentage in three subject. <85%	Asked to improve the attendance		
025	Praveen Hotaraddi	Absent for one & less than 15 in two subject	Asked to attend all IA exams.		
026	Raghavendra M	less than 15 marks in 4 subjects & poor attendance	Asked to improve in next IA & asked to meet HOD sir with parents		
027	Rahul Hiddar	Learn not scoring well.	Asked to prepare well for Next IA		
029	Sameed Hulikoppe	Absent for one & less than 15 in two subject	Asked to improved the performance		
030	Sania Jagadal	Absent for two & less than 15 in IA	Asked to attend all subject in IA exam.		
034	Shivakumar Pujari	Absent in two & less than 15 in two subject	Asked to improve in next IA exam		
038	Shweta Parnekar	Absent in two subject & less than 15 in one subject	Informed to meet HOD with parents		
039	Sneha Magadum	Absent for two & less than 15 in two subject, poor attendance is another	Prepare well		
044	Shati Bagalkar	Less than 15 marks in two subjects	Asked to improved in next IA & informed parents		
16EC406	Manjunath Alagundi	Absent for one subject & Attendance is very poor	Asked to improve 20% IA, to get above 20 marks.		
409	Poojanka Patil	Not qualified as I not attended the exam	Asked to bring certificate from MO & Asked to come with parents		
418	Vasada Joshi	Absent for two subject, even less Attendance	Advised to meet subject teacher for more clarification		
419	Veena Bammanale	Not feeling well so he not attended internal	Asked to come with parent to meet HOD for further clarification for Absence		
			Advised to meet concern subject teacher		

Committee Members Remarks (if any): Advised to study hard to get good marks in Exams

Name & Sign. of Committee Members: 1. (8th sem) 2. (4th sem) 3. (8th sem) 4.

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ACADEMIC COUNSELING/GUIDANCE REPORT

Class: 6 Div.: Date & time: 28/04/2018 Place: HOD Chamber

USN	Name of the student	Explanation/Reason(s) for irregularities.	Action Initiated / Advice given	Signature Of	
				Student	Parent/ Guardian
16 EC 421	Vaishali Mali	Absent for 5 subjects & less than 15 in one subject.	Attended family function. Asked to bring letter from parents	[signature]	

Committee Members Remarks (if any): Advised to study Hard to get good marks in exams

Name & Sign. of Committee Members: 1. (8th sem) 2. [signature] (4th sem) 3. [signature] (6th sem) 4.

[signature]
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ECE
V.01
Counselling
April- March-2018

After IInd IA, On 24/04/2018

o	USN 2HN	Name of the Student	DC		ARM		VLSI		CCN		DSS		DSDV		
			Marks	%Atten	Marks	%Atten	Marks	%Atten	Marks	%Atten	Marks	%Atten	Marks	%Atten	
1	15EC002	Akshata Jamakhandi	14	96	18	88	AB	95	24	85	AB	88	14	94	Absent
2	15EC007	Bhavani Chinchlikar	14	93	AB	88	14	82	AB	85	16	81	11	82	
3	15EC010	Jagdeesh Maragani	13	81	AB	76	14	77	12	88	17	77	13	41	
4	15EC015	Kushal Basagi	AB	63	AB	76	9	68	18	88	AB	73	13	53	
5	15EC018	Mohan Bassapur	19	74	21	70	13	77	AB	92	21	85	17	71	
6	15EC025	Praveen Potraddi	12	78	AB	82	13	82	23	92	18	92	15	53	
7	15EC026	Raghvendra M	8	52	13	61	13	59	24	69	15	69	9	35	
8	15EC027	Ramesh Hiddar	9	78	20	85	6	86	AB	88	AB	85	16	59	
9	15EC029	Sameed M Hulikoppe	13	62	AB	79	18	86	11	96	18	92	14	53	
10	15EC030	Sania Jagadal	21	89	AB	85	12	82	AB	85	18	88	14	71	
11	15EC034	Shivakumar Rajput	12	78	18	76	8	82	AB	88	AB	88	10	76	

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ECE
V.01
Counselling
April ~~March~~-2018

3

After IInd IA, on 28/04/2018

o	USN 2HN	Name of the Student	DC		ARM		VLSI		CCN		DSS		DSDV		
			Marks	%Atten	Marks	%Atten	Marks	%Atten	Marks	%Atten	Marks	%Atten	Marks	%Atten	
1	15EC038	Shweta Parwekar	18	74	AB	70	11	91	24	85	AB	85	16	76	
2	15EC039	Sneha Magadum	19	81	17	79	11	73	17	73	23	88	8	71	
3	15EC044	Swati Bogalkar	13	81	16	94	11	82	19	88	17	92	16	76	
4	16EC406	Manjunath Alagu	AB	67	20	73	0	68	25	73	18	69	11	47	
5	16EC409	Prajwanka Patil	23	93	22	97	21	95	AB	81	AB	85	23	76	
6	16EC418	Varada Joshi	17	85	24	82	AB	100	23	81	AB	81	18	88	
7	16EC419	Veena Bammanal	25	93	22	94	16	95	AB	92	AB	88	AB	76	
8	16EC421	Vaishali Mali	AB	89	AB	88	9	86	AB	96	AB	88	AB	88	
9															
10															
11															

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGG.

ACADEMIC COUNSELING/GUIDANCE REPORT

Class: VIII Div.: B time Date & time: 28/4/2018 . 1.30 pm Place: HOD Chamber

USN	Name of the student	Explanation/Reason(s) for irregularities	Action Initiated / Advice given	Signature Of: Student	Signature Of: Parent/ Guardian
2HN12EC010	Pooja Desai	Not perpared well	Bring your parents & study well		
2HN13EC018	M. Jirle	Not Well	Maintain health preperway		
2HN13EC030	Prajakta Patil	OTE scheme.	–		
2HN14EC003	A. H. Nari	Not studied	Bring your parents & study well		
2HN14EC022	Mamata Nari	participated in Yoga & VTU dance competition.	produce the certificates		
2HN14EC031	Pooja Malage	Attended Internship at Aequs	–		
2HN15EC420	Susmita Bagali	<Attended Internship at Aequs>			
2HN15EC400	A. Sadalage	~~OTE AB Scheme examinee~~	–		
2HN15EC401	A. Hukkeri	One time exist scheme	–		
2HN15EC402	Deepa I. Patil	OTE scheme	–		

Committee Members Remarks (if any): Adviced to study hard.

Name & Sign. of Committee Members: 1. 2. 6th sem. 3. 4.

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ECE	
V.01	
Counselling	
April 2018	

o	USN	Name of the Student	WC		DSS		NS		HPCN		RTOS		MMC	
			Marks	%Atten	Marks	%Atten	Marks	%Atten	Marks	%Atten	Marks	%Atten	Marks	%Atten
1	2HN 12EC010	pooja Desai	7	53	19	75			13	57	5	71		
2	13EC018	M. Jirle	AB	65	17	88	AB	31			AB	95		
3	13EC030	prajakata patil	AB	76	AB	88			AB	38	AB	86		
4	14EC003	A. H. Navi	AB	88	24	100			16	71			AB	95
5	14EC022	mamata Navi	AB	88	AB	100	20	44			21	81		
6	14EC031	pooja Malage	AB	82	AB	100	AB	63					AB	95
7	15EC420	Susmita Bagali	AB	59	AB	38	AB	94			25	95		
8	15EC400	A. Sadalage	AB	88	AB	75			AB	48			AB	89
9	15EC401	A. Hukkeri	AB	65	AB	75	AB	81					AB	95
10	15EC402	Deepa I. Patil	AB	88	AB	100	AB	13			AB	88		
11														

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Date: 19/03/2018

NOTICE

The following students are hereby informed to attend the counseling meeting with parents to discuss about low performance in the I-Internal Assessment (IA) and as per the schedule given below.

Class:IV Sem. Date of Counseling: 22/03/2018 Time: 2:15 pm

USN	Signature
2HN15E 031	
2HN16EC023	
2HN17EC400	

Class:VI-Sem. Date of Counseling: 22/03/2018 Time: 2:30pm

USN	Signature	USN	Signature
2HN15EC015		2HN15EC026	
2HN15EC020		2HN15EC036	
2HN15EC022		2HN16EC406	

Class:VIII Sem. Date of Counseling: 22/03/2018 Time: 2:45pm

USN	Signature	USN	Signature
2HN13EC046		2HN14EC025	
2HN14EC018		2HN14EC050	
2HN14EC019		2HN15EC417	

19/3/18
Central Counseling Coordinator

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6th sem

IV sem

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGG.

ACADEMIC COUNSELING/GUIDANCE REPORT

Class: IV EC Div. Date & time: 29/03/2018 2.15 pm Place: HOD Chamber

USN	Name of the student	Explanation/Reason(s) for irregularities	Action Initiated / Advice given	Signature Of: Student	Signature Of: Parent/ Guardian
2HN15EC031	SANKETH B PIMPLE	Not prepared for 1st IA	solve previous Qpapers		
2HN16EC023	MAHAMMAD RANGAPUR	Not prepared for 1st IA	To approach staff		
2HN17EC400	SUDEENDRA KULKARNI	Not prepared for 1st IA	members for any difficulty		

Committee Members Remarks (if any): Advised to study hard

Name & Sign. of Committee Members: 1. 4th sem 2. 8th sem 3. 6th sem 4.

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Counselling
March-2018

	USN	Name of the Student	Maths IV		MP		CS		S & s		PCS		LIC	
			Marks	%Atten	Marks	%Atten	Marks	%Atten	Marks	%Atten	Marks	%Atten	Marks	%Atten
1	2HN 15EC031	Sanketh pimple	05	12	11	12	10	13	10	13	13	11	11	14
2	2HN 16EC023	Mahammad Rangapur	11	64	11	80	16	100	09	67	15	91	13	80
3	2HN 17EC400	Sudeendra kulkarni	04	91	08	70	16	100	11	100	AB	100	16	80
4														
5														
6														
7														
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9														
10														
11														

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGG.

ACADEMIC COUNSELING/GUIDANCE REPORT

Class: 6 Div.: — Date & time: 27/03/2018 Place: HOD Chamber

USN 2+4N	Name of the student	Explanation/Reason(s) for irregularities.	Action Initiated / Advice given	Signature Of: Student	Signature Of: Parent/ Guardian
15EC015	Kushal Basagi	— Ab —			
15EC020	Mustakim Pendhari	VTU cricket team selected practice session - Attended	Asked not to miss class & IA Asked to produce Attendance certificate		
15EC024	Pooja S Patil	Health problem, informed to parents, absent for all IA	Asked to improve in next IA		
15EC026	Raghavendra L M	Absent for three subject	Asked to Attend all subject IA		
15EC036	Chandra R Katti	Health problem, Absent for 5 subject in IA-I	Asked to attend all IA (subjects) in IA-II		
16EC406	Manjunath Alagundi	Attended Yoga competition VTU level Health problem	Asked to produce attendance certificate medical certificate		

Committee Members Remarks (if any): All are Advised to perform well in frothcomming Exams.

Name & Sign. of Committee Members: 1. (8th sem) 2. (4th sem) 3. (6th sem) 4.

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ECE
V.01
Counselling
March-2018

o	USN 2HN	Name of the Student	DC		ARM		VLSI		CCN		DSS		DSDV	
			Marks	%Atten	Marks	%Atten	Marks	%Atten	Marks	%Atten	Marks	%Atten	Marks	%Atten
1	15EC015	Kushal Baragi	14	80	16	50	AB	67	AB	90	AB	85	AB	56
2	15EC020	Mustakin Pendari	17	93	24	67	08	78	14	80	AB	85	AB	56
3	15EC024	Pooja Patil	AB	53	AB	50	AB	67	AB	60	AB	54	AB	56
4	15EC026	Raghavendra LM	9	40	18	33	AB	44	14	50	AB	54	AB	22
5	15EC036	Sharadha Katti	AB	67	18	33	AB	56	AB	80	AB	77	AB	56
6	16EC406	Manjunath Alagundi	20	60	AB	50	AB	44	AB	60	AB	77	AB	56
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9														
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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGG.

ACADEMIC COUNSELING/GUIDANCE REPORT

Class: VIII Div.: I Term Date & time: 22/3/2018 2.45pm Place: HOD Chamber

USN	Name of the student	Explanation/Reason(s) for irregularities	Action Initiated / Advice given	Signature Of: Student	Signature Of: Parent/ Guardian
2HN13EC046	Sneha Melinkeri	Not Prepared for IA	Bring your Parents / Study		
2HN14EC018	K. Gurav	Not studied well.	Bring your parents & study well		
2HN14EC019	K. Padalele	Attended VTU sports	Produce the documents		
2HN14EC025	Nikhil Kolkar	Not studied well →	prepare properly		
2HN14EC050	Sunil Kalloli	Not Acting well →	maintain health properly		
2HN15EC417	Sridhar Daddimani	← Not Attended/marriage →	Prepare up to date		

Committee Members Remarks (if any): Advised to study hard.

Name & Sign. of Committee Members: 1. 8th sem 2. 6th sem 3. 4th sem 4.

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Hirasugar Institute of Technology, Nidasoshi-591236.
Department of Electronics and Communication Engg.

Date: 24-10-2016

Central Counseling

Sem: VII

The following students have to attend the Central Counseling with their parents/Guardian, on 27th OCT 2016 at 2:00 PM in HOD chamber as your performance is found unsatisfactory during the second Internal Assessment. Low Performance Letter of the same is been sent to your parents.

Sr No.	Roll no.	USN	Name of the Student
02	63	2HN13EC418	Mr.Venkatesh.R.Sonar
03	69	2HN13EC412	Miss.Priyanka.Patil

CLASS MENTOR

N.N Gadag 28/10/16
HOD

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGG.

ACADEMIC COUNSELING/GUIDANCE REPORT

Class: VII EC Div.: Date & time: 27/10/16 Place: HOD Chamber

USN	Name of the student	Explanation/Reason(s) for irregularities.	Action Initiated / Advice given	Signature Of	
				Student	Parent/ Guardian
2HN13EC418	Mr.Venkatesh.R.Sonar	not Studied	To study nicely & to improve		
2HN13EC412	Miss.Priyanka.Patil	Not feeling well	to study nicely & to improve		

Committee Members Remarks (if any):

Name & Sign. of Committee Members: 1. 2. 3. 4.

M.M. Kadeg
HOD 28/10/16

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DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGG.

ACADEMIC COUNSELING/GUIDANCE REPORT

Class: VII EC Div.: Date & time: 22/9/16 Place: Nidasoshi

USN	Name of the student	Explanation/Reason(s) for irregularities.	Action Initiated / Advice given	Signature Of	
				Student	Parent/ Guardian
2HN13EC022	Miss Mangal M. Bukitgar	Not prepared			
2HN13EC047	Miss Sudha G. Patil	Not feeling well			
2HN13EC050	Miss Sushmita R. Kalasa	Not prepared well			
2HN14EC407	Mr. Krishna M. Potadar	←	NE	→	
2HN14EC408	Mr. Mahantesh M. Madiwal	not prepared well			
2HN14EC410	Miss Rohini R. Burge	Not prepared well			
2HN14EC414	Miss Shruti G. Karoshi	Not feeling well			
2HN13EC418	Mr. Venkatesh R. Sonar	Not feeling well			
2HN10EC036	Mr. Rohit K. Pedanekar	Not prepared well			
2HN10EC003	Mr. Akshay S. Khire	Not Prepred well			
2HN12EC026	Mr. Mohsin H. Haveli	Not Prepared well			
2HN13EC400	Mr. Anil K. Umarane	Not prepared			
~~2HN10EC008~~	~~Mr. Avinash Desai~~				

Committee Members Remarks (if any):

1. 2. 3.

M. N. Hiremath
Electronics & Communication Engg
HIT NIDASOSHI

S.J.P.N. Trust's
Hirasugar Institute of Technology, Nidasoshi-591236.
Department of Electronics and Communication Engg.

Date: 17-09-2016

Sem:III

The performance of the following students is found unsatisfactory during the first Internal Assessment. Therefore the following students have to attend the Central Counseling on 20th Sept. 2016 at 2:00 PM in HOD chamber.

Sr No.	Roll no.	Name of the Student
01	49	Miss Anuja T. Mane
02	51	Miss Chandrakala B. Teli
03	52	Mr. Deepak D. Karne
04	53	Miss. Kavita Subbannavar
05	54	Mr. Lingangouda Patil
06	55	Mr. Manjunath Alagundi
07	56	Miss. Padmaja B. shetti
08	59	Miss Rani Jogur
09	60	Mr. Revansiddayya Mathapati
10	61	Miss Saba Sanadi
11	62	Mr. Sangamesh Kodekalmath
12	63	Mr. Sankalp G. Patil
13	64	Mr. Santosh Shedbal
14	65	Mr. Sheetal Khemannavar
15	66	Miss Supreeya B. Huddar
16	67	Miss Varada P. Joshi
17	69	Mr. Vishal Hiremath
18	70	Miss Vrushali Mali

Class Mentor
Prof. S. S. KAMATE

HOD
M.M. Gadag
HOD
Electronics & Commn. Engg
HIT NIDASHI.

S.J.P.N. Trust's
Hirasugar Institute of Technology, Nidasoshi-591236.
Department of Electronics and Communication Engg.

Date: 17-09-2016

Sem:III

The performance of the following students is found unsatisfactory during the first Internal Assessment. Therefore, Low Performance Letter of the same is been sent to their parents. The following students have to attend the Central Counseling with their parents/Guardian, on 20th Sept. 2016 at 2:00 PM in HOD chamber.

Sr No.	Roll no.	Name of the Student
01	03	Miss Amruta S.M.
02	25	Mr. Praveen B. Potaraddi
03	27	Mr. Ramesh M. Huddar
04	29	Mr. Sameed M. Hulikoppe
05	30	Miss Saniya R. Jagadal
06	31	Mr. Sanket B. Pimpale
07	34	Mr. Shivkumar Pujar
08	36	Miss Shraddha R. Katti
09	47	Mr. Sourabh S. Lohar

Class Mentor
Prof. S. S. KAMATE

N. M. Yedage
HOD

HOD
Electronics & Commn. Engg
HIT NI[illegible]

S.J.P.N. Trust's
HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGG.

ACADEMIC COUNSELING/GUIDANCE REPORT

Class: III Div.: Date & time: 20-09-2016 Place: Nidasoshi

R.N.	Name of the student	Explanation/Reason(s) for irregularities.	Action Initiated / Advice given	Signature Of Student	Signature Of Parent/ Guardian
03	Miss Amruta S.M.	Due to health problem	Asked to put more effort, solve more problems of critical subject, meet the class mentor on every Friday to discuss their problems & doubts about academics & report their progress		
25	Mr. Praveen B. Potaraddi	Not Prepared well			
27	Mr. Ramesh M. Huddar	I am not study well.			
29	Mr. Sameed M. Hulikoppe	Not studied regularly.	"		
30	Miss Saniya R. Jagadal	Not prepared	"		
31	Mr. Sanket B. Pimpale	Not study well for exams	"		
34	Mr. Shivkumar Pujar	Not prepared well.	"		
36	Miss Shraddha R. Katti	Not prepared	"		
47	Mr. Sourabh S. Lohar	Not prepared well.	"		
49	Miss Anuja T. Mane	Late admission not understand	"		
51	Miss Chandrakala B. Teli	Not prepared	"		
52	Mr. Deepak D. Karne	confusion in basics	"		
53	Miss. Kavita Subbannavar	Late admission not understand Hu Sub.	"		
54	Mr. Lingangouda Patil	Late admission, Will Study for the Next ID.			
55	Mr. Manjunath Alagundi	not study well	"		
56	Miss. Padmaja B. shetti	Not prepared	"		
59	Miss Rani Jogur	I came late	"		
60	Mr. Revansiddayya Mathapati	I will put extra effort & improve next IA	"		
61	Miss Saba Sanadi		"		
62	Mr. Sangamesh Kodekalmath	Some of the sub have not understood and some I have not studied seriously	Now I am supposing textbook & solving problems. I will make my IA good		
63	Mr. Sankalp G. Patil	Weekend boys. So will come & ask to staff.	"		
64	Mr. Santosh Shedbal		"		
65	Mr. Sheetal Khemannavar	Not studied	"		
66	Miss Supreeya B. Huddar		"		
67	Miss Varada P. Joshi	Not studied	study for the next time		
69	Mr. Vishal Hiremath	I am improve myself.	"		
70	Miss Vrushali Mali	Not understanding	"		

Committee Members Remarks (if any):
Name & Sign. of Committee Members: 1. 2. 3. 4. HOD M.N. Gadag

Class-mentor.

S.J.P.N. Trust's

Hirasugar Institute of Technology, Nidasoshi-591236.

Department of Electronics and Communication Engg.

Date: 15-10-2016

Sem:III

The performance of the following students is found unsatisfactory during the second Internal Assessment. Therefore, message of the same is sent to their parents. The following students have to attend the Central Counseling with their parents/Guardian, on 17th Oct. 2016 at 2:00 PM in HOD chamber.

Sr No.	Roll no.	Name of the Student
01	30	Miss Saniya Rafiq Jagadal
02	52	Mr. Deepak Karne
03	53	Miss Kavita Subbannavar
04	54	Mr Lingangouda Patil
05	59	Miss Rani Jogur
06	60	Mr Revansiddayya Mathapati
07	61	Miss Saba Sanadi
08	63	Mr Sankalp Patil
09	65	Mr Sheetal Khemannavar
10	66	Miss Supriya Huddar
11	69	Miss Vishal Hiremath

Class mentor

HOD

HOD
Electronics & Commn. Engg.
HIT NIDASOSHI

S.J.P.N. Trust's
HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGG.

ACADEMIC COUNSELLING/GUIDANCE REPORT

CLASS: III DIV: - DATE & TIME: 17-10-2016 PLACE: Nidasoshi.

R No.	Name of the Student	Explanation/Reason(s) for irregularities	Action Initiated	Signature Of	
				Student	Parent/ Guardian
30	Miss Saniya Rafiq Jagadal	Some confusion - I will improve S.T.A	Asked to improve, to work hard, to solve more problems of critical subjects & to approach the staff for doubts		
52	Mr. Deepak Karne	confusion in basics.	"		
53	Miss Kavita Subbannavar	Scored in 4 sub - I will improve remaing in III & IA.	"		
54	Mr Lingangouda Patil	I was not feeling well	"		
59	Miss Rani Jogur	confusion for some subjects	"		
60	Mr Revansiddayya Mathapati	This will not happen again	"		
61	Miss Saba Sanadi	Confused in some subjects	"		
63	Mr Sankalp Patil	confused in some subjects.	"		
65	Mr Sheetal Khemannavar	Some confusion. I improve S.T.A	"		
66	Miss Supriya Huddar	Health problem	"		
69	Miss Vishal Hiremath	improve my self	"		

Committee Members Remarks (If any):

Name & Sign. Of Committee Members: 1. 2. 18/10/16 3. 4.

Class Mentor

HOD 17/10/16

S.J.P.N. Trust's
HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGG.

ACADEMIC COUNSELLING/GUIDANCE REPORT

CLASS: III DIV: - DATE & TIME: 17-10-2016 PLACE: Nidasoshi.

R No.	Name of the Student	Explanation/Reason(s) for irregularities	Action Initiated	Signature Of	
				Student	Parent/ Guardian
30	Miss Saniya Rafiq Jagadal	Some Confusion - I will improve S.T.A	Asked to improve, to work hard, to solve more problems of critical subjects & to approach the staff for doubts		
52	Mr. Deepak Karne	confusion in basics.	"		
53	Miss Kavita Subbannavar	Scored in 4 sub - I will improve remaing in III rd IA.	"		
54	Mr Lingangouda Patil	I was not feeling well	"		
59	Miss Rani Jogur	confusion for some subjects	"		
60	Mr Revansiddayya Mathapati	This will not happen again	"		
61	Miss Saba Sanadi	Confused in some subjects	"		
63	Mr Sankalp Patil	confused in some subjects.	"		
65	Mr Sheetal Khemannavar	Some Confusion. Improve 3rd IA	"		
66	Miss Supriya Huddar	Health problem	"		
69	Miss Vishal Hiremath	improve my self	"		

Committee Members Remarks (If any):

Name & Sign. Of Committee Members: 1. 2. 18/10/16 3. 4.

Class Mentor

HOD 17/10

S.J.P.N. Trust's
Hirasugar Institute of Technology, Nidasoshi-591536.
Department of Electronics and Communication Engg.

Date: 14-10-2016

Central Counseling

Sem: V

The following Students have to attend the central counseling with their parents/guardian on 17/10/2016 at 02.00 pm in HOD chamber as your performance is found unsatisfactory during the Second Internal Assessment therefore low performance message of the same has been sent to your Parents.

SL No.	USN	Name of the Student
01	2HN14EC004	Amitkumar Harnal
02	2HN14EC019	Krishna Padalale
03	2HN14EC024	Nagendra Patil
04	2HN14EC030	Dundappa Patil
05	2HN14EC039	Sahana Iddalagi
06	2HN14EC049	Soumya Hukkeri
07	2HN15EC403	Deepa Koli
08	2HN15EC408	Pattar Mahesh
09	2HN15EC415	Shital Mendgudli

Class Mentor 14/10/16

ITC HOD

S.J.P.N. Trust's
Hirasugar Institute of Technology, Nidasoshi-591536.
Department of Electronics and Communication Engg.

Date: 17-09-2016

Central Counseling

Sem: V

The following Students have to attend the central counseling with their parents/guardian on 20/09/2016 at 02.00 pm in HOD chamber as your performance is found unsatisfactory during the First Internal Assessment therefore low performance letter of the same has been sent to your Parents.

Sl. No.	USN	Name of the Student
01	2HN15EC400	Abhishek Sadalage
02	2HN15EC401	Aishwary Hukkeri
03	2HN15EC404	Sagar Bangadi
04	2HN15EC414	Shahin Nadaf
05	2HN14EC025	Nikhil Kolkar
06	2HN14EC024	Nagendra Patil
07	2HN14EC037	Sachin Patil
08	2HN15EC406	Naganagouda Patil
09	2HN14EC039	Sahana Iddalagi

Class Mentor

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HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGG

Date:22/04/2016

NOTICE

This is to inform all the Students of IV, VI&VIII Sem bearing the following USN numbers to attend the academic counseling / Guidance along with **Parents/Guardian** meeting to be held in the Office of the HOD on date 27/4/2016 @2pm onwards As indicated without Fail

USN	Name of the Student	Sem
2HN14EC018	K L Gurav	IV
2HN14EC034	Puja Khot	
2HN14EC039	S M Iddalagi	
2HN14EC044	S G Hiremath	
2HN14EC050	Sunil Kalloli	
2HN14EC054	Vinayak Bore	
2HN15EC400	A M Sadalage	
2HN15EC402	Dipa Patil	
2HN15EC403	Dipa Koli	
2HN15EC404	Komal Bhatage	
2HN15EC405	Manjunath I Pattar	
2HN15EC406	N I Patil	
2HN15EC407	N B Bangadi	
2HN15EC408	Pattar Mahesh	
2HN15EC413	Rajeshwari Badardinni	
2HN15EC414	Shahin D Nadaf	
2HN15EC415	Sheetal Mendgudli	

USN	Name of the Student	Sem
2HN12EC028	Nijaling Masti	VI
2HN13EC030	Prajakta Patil	
2HN13EC050	Susmita Kalasa	
2HN13EC052	Tayifa Choche	
2HN13EC413	Priyanka Shellar	
2HN14EC400	Babajan Bepari	
2HN14EC404	Jyoti Sarikar	
2HN14EC406	K D Naik	
2HN14EC407	K M Potadar	
2HN14EC408	Mahantesh Madiwal	

2HN12EC008	B R Patil	VIII
2HN12EC009	Bharat Nagannavar	
2HN12EC018	Jyoti Veer	
2HN12EC021	Kulkarni Shubham	
2HN12EC022	Mahadev Bhate	
2HN12EC030	Padmsri Hospeti	
2HN12EC040	Raju Hattyagol	
2HN12EC041	Rashmi Badli	
2HN12EC043	Sagar Naik	
2HN12EC048	Shruti Banne	
2HN13EC402	Chetan Bandi	
2HN11EC405	Mahesh Desai	

Coordinator 22/4/2016

HOD

MMG SSK VKP SSP DMK NMP

Date: 18/3/2016

NOTICE

This is to inform all the Students of 4th, 6th and 8th semester bearing the following USN numbers to attend the **Academic Counseling/Guidance** along with **Parents/Guardian meeting** to be held in the Office of the HOD on date 26/03/2016 at **2:00PM** sharp as indicated without fail.

USN	Name of the Student	Sem
2HN15EC405	Mr. Manjunath I. Pattar	
2HN15EC406	Mr. Nagangouda I. Patil	
2HN14EC032	Miss Pooja M. Trikani	
2HN14EC034	Miss Pooja Khot	
2HN14EC040	Miss Samruddhi S. Patil	
2HN14EC041	Mr. Sandeep Goudadi	
2HN15EC400	Mr. Abhishek Sadalage	
2HN15EC404	Mr. Komal Bhatage	
2HN15EC407	Mr. Nagaraj Bangadi	
2HN15EC413	Miss Rajeshwari Badardinni	
2HN15EC419	Mr. Suraj Nagarmunnoli	
2HN14EC024	Mr. Nagendra Patil	

USN	Name of the Student	Sem
2HN13EC011	Miss Jyoti Timmareddi	
2HN13EC040	Mr. Riyaz Sheikh	
2HN13EC030	Miss Prajakta Patil	VI
2HN14EC408	Mr. Mahantesh Madiwal	
2HN14EC416	Mr. Tippanna Hedduri	

USN	Name of the Student	Sem
2HN11EC010	Mr. Digvijay Chavan	
2HN12EC017	Mr. Honnappa Basavanpujari	
2HN12EC043	Mr. Sagar Naik	
2HN10EC046	Mr. Suraj Bagewadi	
2HN11EC405	Mr. Mahesh Desai	
2HN12EC007	Miss Anjana Bhasingi	
2HN12EC009	Mr. Bharat Nagannavar	
2HN12EC012	Miss Faimeem Naik	
2HN12EC021	Mr. Shubham Kulkarni	VIII
2HN12EC022	Mr. Mahadev Bhate	
2HN12EC035	Mr. Pradeep Gurav	
2HN12EC042	Mr. Rohit Desai	
2HN12EC054	Miss Urmila Choudaj	
2HN13EC404	Miss Deepa Halyal	
2HN13EC408	Mr. Manjunath Telsang	
2HN12EC002	Mr. Akash Bagali	
2HN12EC036	Miss Pranoti pawale	
2HN12EC037	Mr. Prasad Sambrekar	
2HN12EC049	Miss Shweta Ghante	
2HN13EC402	Mr. Chetan Bandi	
2HN13EC411	Miss Poonam Vadatille	

Co-ordinator

HOD

(11)

IV SEM ECE – 16.

VITTAL BANGADI HOME NO - 203 / F , GURUDEV GALLI , LAXMI NAGAR , VADAGAV , BELAGAVI 590005	MAHESH SADALAGE AT POST - AKKOL , TQ - CHIKKODI , DI - BELAGAVI – 591211
IRANAGOUD PATIL PLOT N 942, S/NO- 6/2, VANTAMURI CLONY BELAGAVI-590016	PURANDHARA KOLI AT POST - SINDHIKURUBET , TQ - GOKAK ,DI – BELAGAVI 591310
BAPUSAHEB BHATAGE BAPUSAHEB L BHATAGE , AT POST - MANJARI , TQ - CHIKKODI , DI - BELAGAVI -591213	SHANTHINATH KHOT , A/P - KOGANOLI , TQ - CHIKKODI DI – BELAGAVI 591229
MAHANTESH IDDALAGI S M IDDALGI, VENKTESHWAR COLONY, LINGSUR, DT:RAICHUR 584122	VENKATESH BADARRADINNI AT POST - SIDDARAMESHWAR COLONY , HUNNUR ROAD , JAMAKANDI , TQ - JAMAKHANDI , DI – BAGALAKOT 587301
RAJASHEKAR MENDAGUDLI NAMAZ MAL , NEAR TO COLLEGE ROAD , SANKESHWAR 591313	DEELWAR NADAF NEAR GRAM PANCHAYAT MALLIKWAD, TQ:CHIKDI, DIST: BELAGAVI 591201
ASHOK KALLOLI NAVANAGAR SECTOR -21, PLOT NO:27,LAJAMI HOSPITAL,NAVANAGAR BAGALKOT 587101	IRAGOUDA PATIL N I PATIL , VIDYANAGAR , FIRST CROSS , BAILHONGAL , TQ - BAILAHONGAL , DI - BELAGAVI – 591102
KALLAPPA B GURAV KRASHNAT K GURAV , A/P - CHANDUR , TQ - HUKKERI , DI - BELAGAVI – 591213	MARUTI BORE V M BORE, MALI GALLI, SANKESHWAR 591313
GURUSIDDAYYA HIREMATH SHIVAPRASAD G HIREMATH , 343A , PETE GALLI , SOLAPUR , TQ - HUKKERI , DI - BELAGAVI. *591313*	

PATTAR GURUSHANTAPPA AT PST - DODHANI , TQ - AKKALAKOT , DI - SOLAPUR – 413220 STATE: MAHARASTA

24/3/16
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NIDASOSHI.

Referred

VI SEM ECE – 8.

SANGAYYAPPA SARIKAR A/P-HATTIALUR TQ- HUKEERI DT- BELAGAVI 591101	MAHADEV POTADAR NEHRU ROAD A/P SANKESHWAR TQ_ HUKKERI DT- BELAGAVI 591313
DHANAPAL NAIK A/P- HUKKERI TQ- HUKKERI DT- BELAGAVI 591254	MAHADEV MADIWAL P&T QTRS DAMBAL PLOT A/P- CHIKODI TQ-CHIKODI DT- BELAGAVI 591201
ANANT PATIL A/P: NIDASOSHI TQ:HUKERI DT: BELAGAVI 591236	VIJAYKUMAR SHELAR PRIYANKA V SHELAR A/P:KALOLL, TAL:CHIKODI, DIST:BELAGAVI 591244
SALIM BEPARI NEAR EXAMBA ROAD BEPARI GALLI CHIKODI TQ- CHIKODI DT- BELAGAVI' 591201	SHANKAR MASTI A/P: NIDASOSHI, TQ: HUKKERI, DT: BELAGAVI, ST: KARNATAKA, 591236

28/11/16

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SADASHIV NAGANNAVAR A/P: SOLAPUR, TQ: HUKKERI, DT: BELAGAVI, ST: KARNATAKA. 591313	MURIGEPPA BANDI A/P:MUSARGUPPI, TAL:GOKAK, DIST:BELAGAVI, PIN:591312
PRABHU DESAI A/P:AMMANAGI, TQ:HUKKERI DT:BELAGAVI 591236	BHIMAPPA HATTYAGOL A/P: KABBUR, TQ: CHIKKODI, DT: BELAGAVI, ST: KARNATAKA. - 591222
SURYKANT Naik NAIK GALLI , W No:04, H.No.1932, "LAXMI NIVAS" HUKKERI TQ: HUKKERI DT: BELAGAVI KARNATAKA - 591309	RUDRGOUDA . PATIL A/P: MUGALI, TQ: CHIKKODI, DT: BELAGAVI, ST: KARNATAKA. 591226
BAPURAO VEER SHANKAR NAGAR, ATHANI, TQ: ATHANI, DT:BELAGAVI, ST: KARNATAKA, 591304	ISHWAR HOSAPETI "ANUGRAHA NIVAS" BEHIND WOMEN COLLEGE, SBI COLONY, CHIKKODI, DT: BELAGAVI, ST: KARNATAKA - 591202
SANJAY BHATE A/P: KAROSHI TQ: CHIKKODI DT: BELAGAVI KARNATAKA 591226	MOHAN BANNE A/P:AKOL, TQ: CHIKKODI, DT: BELAGAVI, ST: KARNATAKA. 591211
SURESH BADLI LAXMI EXTN, NEAR BOMBY CHAWL, GOKAK, DT: BELAGAVI, ST: KARNATAKA, 591307	

VIVEK RAMKRUSHNA KULKARNI A/P:SUPANE, TQ: KARAD, DT: SATARA, ST: MAHARASHTRA, 415114

Posted
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01

S. J. P. N. Trust's

Hirasugar Institute of Technology, Nidasoshi

"Inculcating Values, Promoting Prosperity"

(Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka & Affiliated to VTU Belagavi)

Department of : **C S & E / E & C E / E & E E / M E**

Activity : ASSIGNMENT/QUIZ BOOK

Name : Jyoti. P. Banahatti Sem : VI

Roll No. : 01 | 2 | H | N | 1 | 4 | E | C | 4 | 0 | 3 |

Course : ARM Controller & Embedded System Code : 15EC62

S. No.	Activity	Date of submission	No. of Pages Used	Max. Marks	Marks Obtained	Faculty Signature
1)	Assignment 1	26/2/2018	1-8	25	25	
2)	Assignment 2	20/3/2018	9-14	25	24	
3)	Assignment	24/4/2018	15-24	25	24	
4)	Assignment	8/5/2018	25-31	25	25	
5)	Assignment	15/5/2018	32-38	25	25	
			Final Marks	25	25	

Signature : Student

H. O. D.

Shri Duradundeeshwar Press, Sankeshwar

VISION

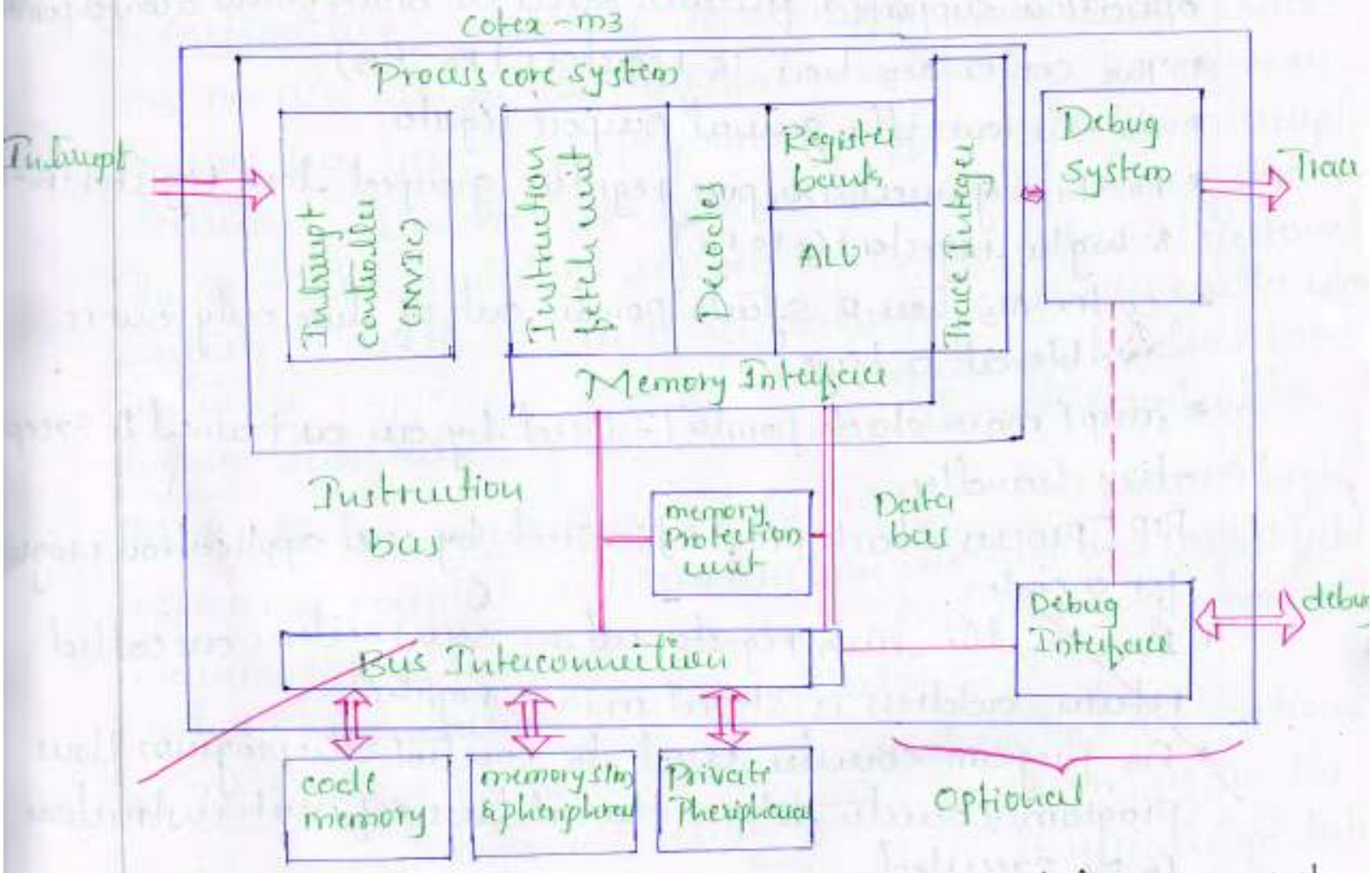
To be a preferred institution in Engineering Education by achieving excellence in teaching and research and to remain as a source of pride for its commitment to holistic development of individual and society.

MISSION

To continuously strive for the overall development of students by educating them in a state of the art infrastructure, by retaining the best practices, people and inspire them to imbibe real time problem solving skills, leadership qualities, human values and societal commitments, so that they emerge as competent professionals.

Assignment No - 01

1) Explain the architecture of ARM cortex-M3 processor with the help of neat block diagram



* The cortex - M3 is a 32 bit microprocessor It has a 32-bit datapath, 32-bit register banks, & a 32 bit memory interface
* The processor has a harvard architecture, which means that it has a separate instruction bus & data bus 8GB memory space
* Both Big Endian & little Endian memory systems are supported
* Complex applications that require more memory system feat-ure, the cortex-M3 processor has an optical memory protection unit

* The cortex M3 processor includes a no of components internal de bugging components. These components provided debugging operation supports & features. such as break points & watchpoints
* The cortex M3 has 16 registors [R0 - R15]
* R0 - R12 are the general purpose register
* R0 - R12 general purpose registers grouped low registor [R0-R7] & higher register [R8 to R12]
* Cortex M3 has 2 stacks pointer out of two only one is visible at a time
* MSP [main stack pointer] :- Used by an as kernel & Excep-tion handler
  PSP [Process stack pointer] :- Used by user application program for a code
* R14 - as the link register when subroutine are called return address is stored in link register
* R15 program counter used to control the program flow Program counter stores the address of next instruction to be executed.
* Cortex M3 has 5 special register XPSR, PRIMASK, FAULT MASK, BASERRI, & control

2) List the application of ARM cortex M3 processor

i) Low cost microcontroller :- The cortex-M3 processor is ideally suited for low cost microcontroller; which are commonly used in consumer products from toys to electrical appliances as It is a highly competitive market due to many well-known as 8-bit & 16 bit microcontroller products on the market. Its lower power, high performance & ease of use advantages enable embedded developer to migrate

-to 32-bit systems & develop products with the ARM architecture.

ii) Automative :- Another ideal application for the cortex-M3 processor is in the automative industry. The cortex-M3 processor has very high performance efficiency & low interrupt latency, allowing it to be used in real-time system. The cortex-M3 processor supports up to 240 external vectored interrupts with a built in interrupt controller with nested interrupt supports & optical MPU, making it ideal for highly integrated & cost sensitive automative application.

iii) Data Communication :- The processor low power & high efficiency coupled with instruction in Thumb-2 for bit field manipulation make the cortex-M3 ideal for many communi-cations applications such as Bluetooth & zigbee.

iv) Industrial control :- In industrial control applications, simplicity, fast response & reliability are key factor, again the cortex-M3 processor interrupts feature, low interrupt late-ncy & enhanced fault-handling features make it a strong candidate in this area.

v) Consumer product :- In many consumer products a high perform-ance microprocessor is used. The cortex a high being a small processor, is highly efficient & low in power & supports an MPU enabling complex software to execute while provi-ding robust memory protection.

3) Explian ARM cortex-M3 program status Register in detail.

The PSR's are sub divided into three status registers.

i) Application Program status register [APSR]

ii) Interrupt program status register [IPSR]

iii) Execution program status register [EPSR]

The three PSRs can be accessed together or seperatelly using the special register access instructions MSR & MRS, when they are accessed as a collective item the name xPSR is used.

we can read the PSRS using the MRS instruction we can also change the APSR using the MSR but EPSR & IPSR are read only for example

MRS r0, APSR : Read Flag state into R0

MRS r0, IPSR : Read Flag state into R0

MRS r0, EPSR : Read flag state into R0

MSR APSR r0 : write flag state

Program status Register in the cortex-M3.

	31	30	29	28	27	26:25	24	23:20	19:16	15:10	9	8	7	6	5	4:0
APSR	N	Z	C	V	Q											
IPSR												Exception number				
EPSR						ICI/IT	T			ICI/IT						

	31	30	29	28	27	26:25	24	23:20	19:16	15:10	9	8	7	6	5	4:0
xPSR	N	Z	C	V	Q	ICI/IT	T			ICI/IT		Exception number				

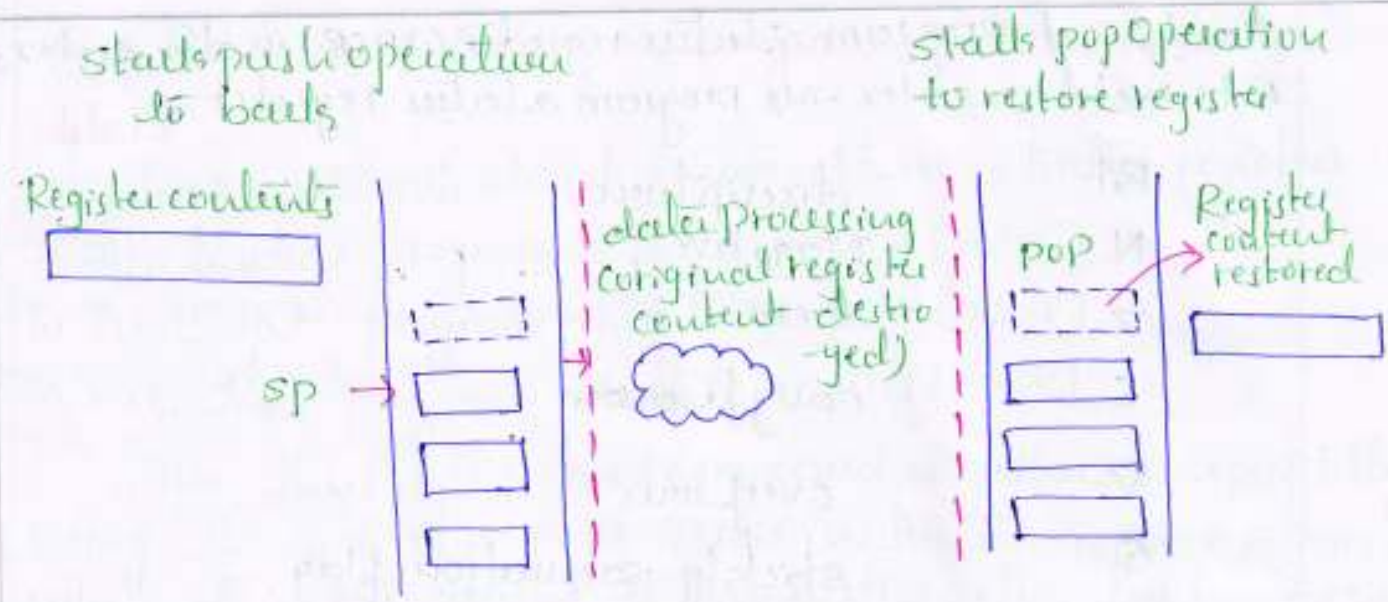
Combined program status register (XPSR) in the cortex-M3.
Bit Field in cortex-M3 program status register

Bit	discription
N	Nagative
Z	zero
C	carry/barrow
V	overflow
Q	stickly saturation flag.
ICI/IT	Intrrupt continuable instruction, IT-THEN instruction status bit
T	Thumbstate always 1 : trying to clean.
Exception number.	Indicates which exception the processor is handling.

4) Explian stack push & pop operation in cortex-M3 with the help of next diagram

stack is the memory usage model It is simply part of the system memory & a pointer register is used to make it works as a first-in last-out buffer. the common use of a stack is to save register contents before some data processing task is done

when doing push & pop operations the pointer register commonly called stack pointer. is adjusted automatically to prevent next stack operations from corrupting previous stacked data it is not nessary to use both sps simple applications can purelly on the msp The sps are used for accessing stack



memory processor such as PUSH & POP.

In cortex M3 the instructions for accessing stack memory are PUSH & POP. The assembly language syntax is as follows

PUSH {R0} ; R13 = R13 - 4; then memory [R13] = R0

POP {R0} : R0 = memory [R13]. then R13 = R13 + 4

The cortex m3 uses a full designing stack arrangement ∴ the SP decrements when new data is stored in the stack PUSH & POP are usually used to save register content to stack memory at the start of a subroutine & then restore the register from stack at the end of the system subroutine

PUSH {R0-R7, R12-R14} : save register

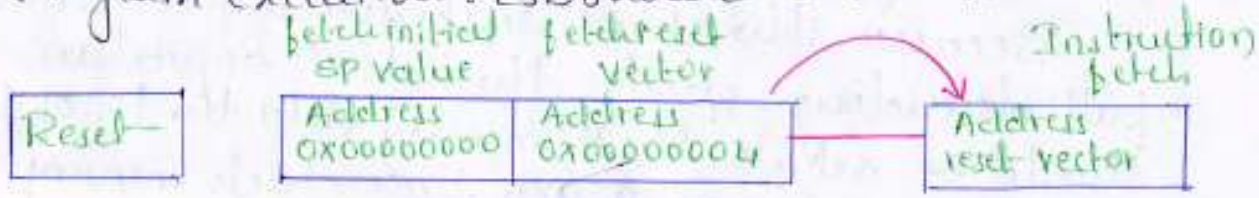
POP {R0-R7, R12, R14} : Restore register

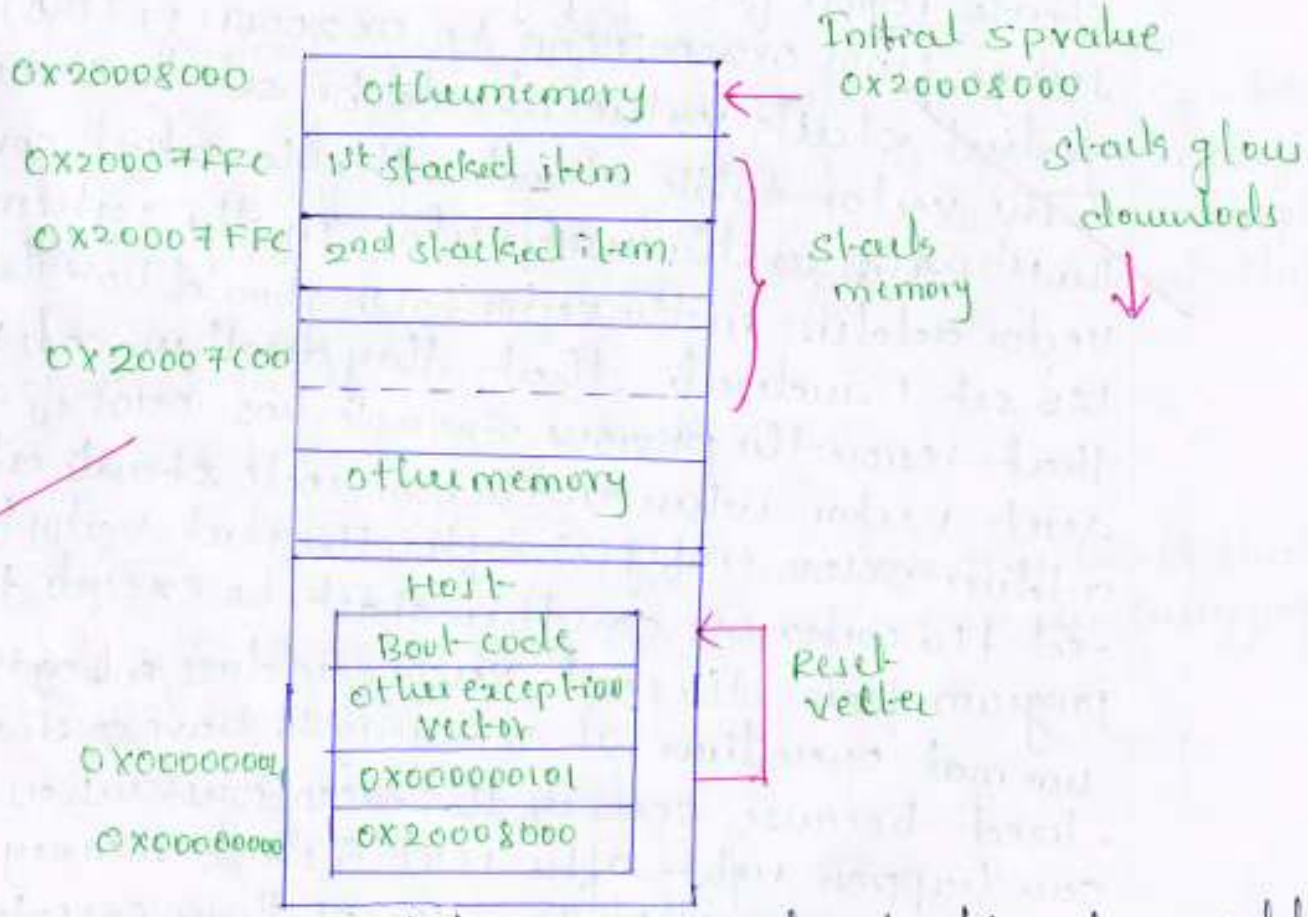
BX R14 : Return to calling function.

5) Explain reset sequence with the help of memory map.

After the processor exits reset, it will read 2 word from memory.

* Address 0x00000000; starting value of R13 (the sp)
* Address 0x00000004; Reset vector (the starting address of Program execution: LSB should be set to 1 to indicate





Arm processor executed program code starting from address 0x0 further more the vector table in privious devices was instructions have to put a branch instruction there is so that your exception handler can be put in another location

In the cortex m3 the initial value for the msD is put at the beginnig of the memory map followed by vector table, which contain vector address value in addition, the content of the vector tableare address value not branch instruction The 1st vector table is the reset vector which is 2nd side of data fetched by the processor after reset.

Because the stack instruction in cortexm3risc full descending stack the initial sp values should be set to the 1st memory after the top of the stack region for Ex. if you have stack memory range from 0X20007 C00 to 0X 2000FFFF (1KB) The initial stack value should be set to 0X20008000. The vector table stands after the initial sp value The 1st vector is the reset vector In the cortexm3 vector address in the vector table should have the LSB set 1 indicate that they are thum code for that resion the privious Example has 0X101 in the reset vector whereas the boot code starts at address 0X100 in fig(2) after the reset vector fetch -ed the cortex M3 can then start to execute the program from the reset vector address & begin normal operation It is nessecry to have sp initia -lized because some of the exceptions [such as NMI] can happen right after reset & stack memory could be required for handler of than exceptions.

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