



# ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

("ವಿ ಬಿ ಯು ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)

## VISVESVARAYA TECHNOLOGICAL UNIVERSITY

(State University of Government of Karnataka Established as per the VTU Act, 1994)

"Jnana Sangama" Belagavi-590018, Karnataka, India

Prof. Dr. B. E. Rangaswamy, Ph.D.  
REGISTRAR(I/C)

Phone: (0831) 2498100  
Fax : (0831) 2405467

REF: VTU/BGM/ACA/2022-23/4051

DATE: 14 NOV 2022

### NOTIFICATION

**Subject:** - Tentative Academic Calendar of 1st<sup>st</sup> semesters of B.E./B.Tech./B.Arch./B.Plan., programs of University regarding...

**Reference:** Dean faculty of Engineering, VTU Belagavi approval dated 10.11.2022

Hon'ble Vice-Chancellor's approval dated: 14.11.2022

The tentative academic calendar concerned to **1st semesters of B.E./B.Tech./B.Arch./B.Plan .,** programs of University for academic year 2022-23 are hereby notified as mentioned below;

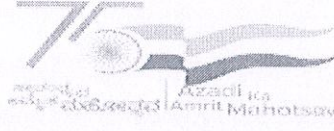
(Tentative)Academic Calendar for I Semester of UG programs for the Academic Year 2022-23			
Details	I semester B.E./B.Tech.	I semester B.Arch.	I semester B.Plan
Commencement of I semester (**Induction Program)	21.11.2022	21.11.2022	21.11.2022
Commencement of I semester Classes	01.12.2022	01.12.2022	01.12.2022
Last Working day of I Semester	18.03.2023	18.03.2023	18.03.2023
Practical Examinations	21.03.2023 To 31.03.2023	21.03.2023 To 31.03.2023	21.03.2023 To 31.03.2023
Theory Examinations	03.04.2023 To 28.04.2023	03.04.2023 To 28.04.2023	03.04.2023 To 28.04.2023
Commencement of II Semester	02.05.2023	02.05.2023	02.05.2023

#### Please Note:

- The academic sessions for ODD semesters should commence on the **date mentioned** above.
- \*\* Induction Program** shall be conducted for 11 days at the beginning of 1<sup>st</sup> semester and 10 days at the beginning of the 2<sup>nd</sup> semester.

*(Signature)*





# ವಿಶ್ವೇಶ್ವರಯ್ಯತಾಂತ್ರಿಕವಿಶ್ವವಿದ್ಯಾಲಯ

ವಿಟಿಯುಲಿಢಿಯಮಒ೯೯೪ ರಲಡಿಢಿಲ್ಲಿಕರ್ನಾಟಕಸರ್ಕಾರದಿಂದಸ್ಥಾಪಿತವಾದರಾಜ್ಯವಿಶ್ವವಿದ್ಯಾಲಯ

## VISVESVARAYA TECHNOLOGICAL UNIVERSITY

State University of Government of Karnataka Established as per the VTU Act, 1994 "JnanaSangama" Belagavi-590018, Karnataka, India

Prof. B. E. Rangaswamy, Ph.D  
REGISTRAR

Phone: (0831) 2498100  
Fax: (0831) 2405467

REF: VTU/BGM/GC/2023/ 712

DATE: 9 MAY 2023

### Revised-NOTIFICATION

**Subject:** Tentative Academic Calendar of II Semester B.E./B.Tech., B.Arch and B.Plan and IV semester B.E./B.Tech., programs of University regarding...

**Reference:** Hon'ble Vice-Chancellor's approval dated: 9 MAY 2023

The computer-Aided Engineering Drawing (BCEDK103) examinations of II semester B.E./B.Tech., programs are scheduled between 15.05.2023 to 24.05.2023. A revised Academic Calendar (Tentative) of II Semester B.E./B.Tech., B.Arch and B.Plan and IV semester B.E./B.Tech., programs of the University for the academic year 2022-23 are hereby notified as mentioned below;

(Tentative) Academic Calendar for semesters of II semester B.E./B.Tech./B.Arch./B.Plan and IV semester B.E./B.Tech., Programs for AY 2022-23 (May 2023)			
	II Semester B.E./B.Tech. (2022 scheme)	II Semester B. Arch, B. Plan (2021 scheme)	IV Semester B.E./ B.Tech (2021 scheme)
Commencement of the semester	25.05.2023	17.05.2023	17.05.2023
Internship	-----	-----	17.05.2023 To 03.06.2023
Commencement of the Classes	25.05.2023	17.05.2023	05.06.2023
Last Working day of the Semester	09.09.2023	31.08.2023	16.09.2023
Practical Examination/Viva Examination	11.09.2023 To 20.09.2023	01.09.2023 To 08.09.2023	19.09.2023 To 30.09.2023
Theory Examinations	21.09.2023 To 21.10.2023	11.09.2023 To 27.09.2023	03.10.2023 To 20.10.2023
Commencement of next Semester	25.10.2023	09.10.2023	25.10.2023

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File I-11

2022-23 (Odd)

Rev: 00

**CALENDAR OF EVENTS OF I SEM FOR THE ACADEMIC YEAR 2022-23 (Odd)**

Date	Events																																																		
01-12-2022	Commencement of I Sem	<b>December-2022</b>																																																	
01-12-2022 To 10/12/2022	Induction Program	<table><tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr><tr><td></td><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td></tr><tr><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td></tr><tr><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td></tr><tr><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td></tr><tr><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td></tr></table>	S	M	T	W	T	F	S					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							
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12-12-2022	Commencement of classes for I Sem	<b>25-Christmas</b>																																																	
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12-01-2023	National Youth Day	<table><tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td></tr><tr><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td></tr><tr><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td></tr><tr><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td></tr><tr><td>29</td><td>30</td><td>31</td><td></td><td></td><td></td><td></td></tr></table>	S	M	T	W	T	F	S	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31											
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27-01-2023 To 28-01-2023	Feedback –I on Teaching-Learning for I Semester	<b>February-2023</b>																																																	
28-01-2023	Display of 1 <sup>st</sup> Internal Assessment Marks	<table><tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr><tr><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr><tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr><tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr><tr><td>26</td><td>27</td><td>28</td><td></td><td></td><td></td><td></td></tr></table>	S	M	T	W	T	F	S				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28											
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13-02-2023	Second Assignment Submission of I Semester																																																		
23-02-2023 To 25-02-2023	Second Internal Assessment for I Semester	<b>18- Mahashivaratri</b>																																																	
27-02-2023 To 28-02-2023	Feedback –II on Teaching-Learning for I Semester	<b>March -2023</b>																																																	
28-02-2023	World Science Day	<table><tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr><tr><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr><tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr><tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr><tr><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td></td></tr></table>	S	M	T	W	T	F	S				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31								
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28-02-2023	Display of 2 <sup>nd</sup> Internal Assessment Marks	<b>22- Yugadi</b>																																																	
23-03-2023 To 25-03-2023	Third Internal Assessment for I Semester	<b>April -2023</b>																																																	
27-03-2023 To 29-03-2023	Lab Internal Assessment for I Semester	<table><tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td></tr><tr><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr><tr><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td></tr><tr><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td></tr><tr><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td></tr><tr><td>30</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	S	M	T	W	T	F	S							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30						
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23	24	25	26	27	28	29																																													
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31-03-2023	Last working day for I Semester Display of Final IA Marks of I Semester	<b>03- Mahaveer Jayanti , 07- Good Friday , 14- Dr. B. R. Ambedkar Jayanti</b>																																																	
17-04-2023 To 10-05-2023	Theory Exams																																																		
15-05-2023	Commencement of II Sem																																																		

*[Signature]*  
 Dr. R.R. Maggavi  
 IQAC Coordinator

*[Signature]*  
 Dr. S. C. Kamate  
 Principal





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File I-11

2022-23 (Even)

Rev: 01

**CALENDAR OF EVENTS OF II & IV SEMESTER FOR THE ACADEMIC YEAR 2022-23 (Even)**

Date	Events	May -2023						
17-05-2023 to 03-06-2023	Commencement of IV Sem Intra-inter Institutional Internship for Lateral Entry Students	S	M	T	W	T	F	S
				2	3	4	5	6
25-05-2023 to 05-06-2023	Commencement of II Sem Commencement of II Sem Classes Induction Program for II Sem	7	8	9	10	11	12	13
05-06-2023	Commencement of IV Sem Classes	14	15	16	17	18	19	20
		21	22	23	24	25	26	27
05-06-2023	World Environmental Day	28	29	30	31			
05-06-2023	International Yoga Day	June -2023						
01-07-2023 to 07-07-2023	Banamahostava Week	S	M	T	W	T	F	S
						1	2	3
03-07-2023 to 05-07-2023	First Internal Assessment for II & IV Semester Feedback –I on Teaching-Learning	4	5	6	7	8	9	10
05-07-2023	Display of First Internal Assessment Marks	11	12	13	14	15	16	17
14-07-2023	Co-curricular & Extracurricular Activities for II Sem Students	18	19	20	21	22	23	24
20-07-2023 to 21-07-2023	First Lab Internal Assessment for IV Sem ( PCC+AEC)	25	26	27	28	29	30	
03-08-2023 to 05-08-2023	Second Internal Assessment for II & IV Semester Feedback –II on Teaching-Learning	29-Bakrid						
05-08-2023	Display of Second Internal Assessment Marks	July -2023						
08-08-2023	Third Internal Assessment for II Sem	S	M	T	W	T	F	S
04-09-2023 to 06-09-2023	Lab Internal Assessment for II Sem (IC)							1
07-09-2023 to 09-09-2023	Last working day for II Semester Display of Final I.A. Marks for II Sem	2	3	4	5	6	7	8
11-09-2023 to 13-09-2023	Third Internal Assessment for IV Sem	9	10	11	12	13	14	15
14-09-2023 to 16-09-2023	Second Lab Internal Assessment for IV Sem (PCC+AEC) Lab Internal Assessment for IV Sem (IPCC)	16	17	18	19	20	21	22
16-09-2023	Last working day for IV Semester Display of Final I.A. Marks for IV Sem	23	24	25	26	27	28	29
11-09-2023 to 20-09-2023	Practical Exam/ Viva Voce for II Sem	30	31					
19-09-2023 to 30-09-2023	Practical Exam/ Viva Voce for IV Sem	29-Moharam						
21-09-2023 to 21-10-2023	Theory Exams for II Sem	Aug -2023						
03-10-2023 To 20-10-2023	Theory Exams for IV Sem	S	M	T	W	T	F	S
25-10-2023	Commencement of III & V Semester			1	2	3	4	5
		6	7	8	9	10	11	12
		13	14	15	16	17	18	19
		20	21	22	23	24	25	26
		27	28	29	30	31		
		15-Independence Day						
		Sept -2023						
		S	M	T	W	T	F	S
							1	2
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		10	11	12	13	14	15	16
		17	18	19	20	21	22	23
		24	25	26	27	28	29	30
		19-Ganesh Chaturthi, 28-Id Milad						
		Oct -2023						
		S	M	T	W	T	F	S
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		15	16	17	18	19	20	21
		22	23	24	25	26	27	28
		29	30	31				
		2- Gandhi Jayanti						

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IQAC Coordinator

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2022-23 (Odd)

Rev: 00

**CALENDAR OF EVENTS OF I SEM FOR THE ACADEMIC YEAR 2022-23 (Odd)**

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26-01-2023	Republic Day	<div>February-2023</div> <table><tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr><tr><td></td><td></td><td></td><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td></tr><tr><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td></tr><tr><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td></tr><tr><td>26</td><td>27</td><td>28</td><td></td><td></td><td></td><td></td></tr></table>	S	M	T	W	T	F	S				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28											
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13-02-2023	Second Assignment Submission of I Semester	22- Yugadi																																																	
23-02-2023 To 25-02-2023	Second Internal Assessment for I Semester	<div>April -2023</div> <table><tr><td>S</td><td>M</td><td>T</td><td>W</td><td>T</td><td>F</td><td>S</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td></tr><tr><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr><tr><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td></tr><tr><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td></tr><tr><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td></tr><tr><td>30</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	S	M	T	W	T	F	S							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30						
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27-02-2023 To 28-02-2023	Feedback –II on Teaching-Learning for I Semester	03- Mahaveer Jayanti , 07- Good Friday , 14- Dr. B. R. Ambedkar Jayanti																																																	
28-02-2023	World Science Day																																																		
03-02-2023	Display of 2 <sup>nd</sup> Internal Assessment Marks																																																		
23-03-2023 To 25-03-2023	Third Internal Assessment for I Semester																																																		
27-03-2023 To 29-03-2023	Lab Internal Assessment for I Semester																																																		
31-03-2023	Last working day for I Semester Display of Final IA Marks of I Semester																																																		
17-04-2023 To 10-05-2023	Theory Exams																																																		
15-05-2023	Commencement of II Sem																																																		

*R.R. Maggavi*  
21.12.22  
Dr. R.R.Maggavi  
IQAC Coordinator



*S. C. Kamate*  
21/12  
Dr. S. C. Kamate  
Principal





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File I-11

2022-23 (Even)

Rev: 01

**CALENDAR OF EVENTS OF VI SEM FOR THE ACADEMIC YEAR 2022-23 (Even)**

Date	Events	
20-03-2023	Commencement of VI Sem	March -2023
07-04-2023	World Health Day	S M T W T F S
14-04-2023	Fire Prevention Day	5 6 7 8 9 10 11
20-04-2023 To 22-04-2023	First Internal Assessment for VI Semester & Feedback-I on Teaching-Learning	12 13 14 15 16 17 18
22-04-2023	World Earth Day	19 20 21 22 23 24 25
25-04-2023	Display & Submission of 1 <sup>st</sup> Internal Assessment Marks to Office	26 27 28 29 30 31
26-04-2023	World Intellectual Property Day	22- Yugadi
01-05-23 To 07-05-23	Nutrition Week	April -2023
22-05-2023	TECHNOVISION - 23	S M T W T F S
23-05-2023	HSIT QUEST- 23	2 3 4 5 6 7 8
24-05-2023	HSIT SAMBRAMA- 23	9 10 11 12 13 14 15
25-05-2023	Graduation Day for VIII Sem	16 17 18 19 20 21 22
01-06-2023 To 03-06-2023	Second Internal Assessment for VI Semester & Feedback-II on Teaching-Learning	23 24 25 26 27 28 29
05-06-2023	World Environmental Day	30
06-06-2023	Display & Submission of 2 <sup>nd</sup> Internal Assessment Marks to Office	04- Mahaveer Jayanti, 07- Good Friday, 14- Ambedkar Jayanti
21-06-2023	International Yoga Day	May -2023
03-07-2023 To 05-07-2023	Third Internal Assessment for VI Semester	S M T W T F S
01-07-2023 To 07-07-2023	Banamahostava Week	7 8 9 10 11 12 13
07-07-2023 To 08-07-2023	Lab Internal Assessment	14 15 16 17 18 19 20
10-07-2023	Display of Final Internal Assessment Marks	21 22 23 24 25 26 27
10-07-2023	Last working day for VI Semester	28 29 30 31
11-07-2023 To 21-07-2023	Theory Practical Exams	01- May Day (Karmika Dinacharane)
24-07-2023 To 12-08-2023	Theory Exams	June -2023
09-09-2023	Internship ( Four Week)	S M T W T F S
11-09-2023	Commencement of VII Sem	4 5 6 7 8 9 10
		11 12 13 14 15 16 17
		18 19 20 21 22 23 24
		25 26 27 28 29 30
		29-Bakrid
		July -2023
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		30
		29-Moharam

Note: Mahaveer Jayanti is on 4.04.2023 instead of 3.04.2023 as per Revised VTU list of Holidays

IQAC Coordinator  
Dr. R.R.Maggavi



Principal  
Dr. S. C. Kamate





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ECE

COE

2022-23 (Odd)

Rev: 00

**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**  
**CALENDAR OF EVENTS FOR THE ACADEMIC YEAR 2022-23 (Odd)**

Date	Events	September-2022
19-09-2022	Commencement of Classes for VII Semester	S M T W T F S
24-09-2022	NSS Foundation Day	4 5 6 7 8 9 10
02-10-2022	Gandhi Jayanthi	11 12 13 14 15 16 17
10-10-2022	Commencement of Classes for V Semester	18 19 20 21 22 23 24
14-10-2022	Arduino Programming & Simulation using Tinker CAD	25 26 27 28 29 30
24-10-2022 to 30-10-2022	Traffic Week	
27-10-2022 to 29-10-2022	First Internal Assessment for VII Semester	
31-10-2022	Feedback -I on Teaching-Learning for VII Semester	
31-10-2022	National Integration Day	
31-10-2022	Commencement of Classes for III Semester	
01-11-2022	Kannad Rajyothsava	
03-11-2022	Display of 1 <sup>st</sup> Internal Assessment Marks and submission of Feedback-I of VII Semester to office	
05-11-2022	Workshop on "Python Tool & Python Programming for Machine Learning"	
09-11-2022 to 18-11-2022	Environment Awareness Month	
10-11-2022	Fresher's Day Celebration / Alumni Interaction	
17-11-2022 to 19-11-2022	Workshops on "IOT" & "PCB Design & Testing"	
22-11-2022	World's Aids Day	
22-11-2022	Talk on "Introduction to Artificial Intelligence"	
26-11-2022	First Assignment Submission of III Semester (PCC + IPCC)	
28-11-2022 to 30-11-2022	Second Internal Assessment for VII Semester & First Internal Assessment for III (PCC + IPCC) / V Semester	
01-12-2022	Feedback -II on Teaching-Learning for VII Semester & - I on Teaching-Learning for III/V Semester	
06-12-2022	Display of 2 <sup>nd</sup> Internal Assessment Marks and submission of Feedback-II of VII Semester & Display of 1 <sup>st</sup> Internal Assessment Marks and submission of Feedback-I of III/V Semester to office	
10-12-2022	Human Rights Day	
10-12-2022	Sports Day	
23-12-2022 & 24-12-2022	First Lab Internal Assessment for III Semester (PCC+AEC)	
26-12-2022 & 27-12-2022	Lab Internal Assessment for VII Semester	
29-12-2022 to 31-12-2022	Third Internal Assessment for VII Semester & Internal Assessment for III (PCC + IPCC) / V Semester	
31-12-2022	Last working day for VII Semester	
02-01-2023	Feedback -II on Teaching-Learning for III/V Semester	
05-01-2023	Display of Final IA Marks of VII Semester	
05-01-2023	Display of 2 <sup>nd</sup> Internal Assessment Marks and submission of Feedback-II of III/V Semester to office	
07-01-2023	Second Assignment Submission of III Semester (PCC + IPCC)	
12-01-2023	National Youth Day	
15-01-2023	NSS Day	
20-01-2023 & 21-01-2023	Lab Internal Assessment for V Semester	
23-01-2023 to 25-01-2023	Third Internal Assessment for V Semester	
26-01-2023	Republic Day	
27-01-2023	Last working day for V Semester	
30-01-2023 to 01-02-2023	Second Lab Internal Assessment for III Semester (PCC+IPCC+AEC)	
31-01-2023	Display of Final IA Marks of V Semester	
06-02-2023 to 08-02-2023	Third Internal Assessment for III Semester (PCC)	
11-02-2023	Last working day for III Semester	
14-02-2023	Display of Final IA Marks of III Semester	

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04- Mahanavami, Ayudhapooja 05- Vijayadashami  
24- Naraka Chaturdashi, 26- Balipadyami Deepavalli

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01- Kannada Rajyothsava, 11- Kanakadasa Jayanti

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14-Makara Sankranti, 26- Republic Day

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19	20	21	22	23	24	25
26	27	28				

18- Mahashivaratri

Prof. D. M. Kumbhar  
ECSA Coordinator

Dr. R. R. Maggavi  
HOD





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ECE Dept.

Academic


Work Load





2022-23 (ODD)

**ACADEMIC WORK LOAD**

Sl. No	Faculty Name	Sem/ Div.	Subject/ Subject Code	Lecture	Tutorial	Practical	Total Units/ Week	Staff Sign.
				Hrs/ Week	Hrs/ Week	Hrs/ Week		
01	Dr. R. R. Maggavi	II	Basic Electronics & Communication Engineering. (21ELN14/24)	2	1		6	
		VII	Computer Networks (18EC71)	3				
02	Prof. S. S. Malaj	II	Basic Electronics & Communication Engineering (21ELN14/24)	2	1		6	
		V	Technological Innovation Management & Entrepreneurship (18ES51)	3				
03	Prof. S. S. Kamate	V	Electromagnetic Waves (18EC55)	3			10	
		VII	VLSI Design (18EC72)	3				
		VII	VLSI Laboratory (18ECL77)			4		
04	Prof. D. M. Kumbhar	I	Innovation & Design Thinking (21ITD19)	2			8	
		III	Analog Electronic Circuits (21EC34)	3				
		III	Analog & Digital Electronics Lab (21ECL35)			3		
05	Prof. S. S. Patil	V	Verilog HDL (18EC56)	3			13	
		VII	Digital Systems Design using VHDL (18EC754) (OE)	3				
		V	HDL Laboratory (18ECL58)			6		
		III	Social Connect and Responsibility (21UH36)			1		



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		Academic
		Work Load
		2022-23 (ODD)

Sl. No	Faculty Name	Sem/ Div.	Subject/ Subject Code	Lecture	Tutorial	Practical	Total Units/ Week	Staff Sign.
				Hrs/ Week	Hrs/ Week	Hrs/ Week		
06	Prof. D. B. Madihalli	III	Digital System Design using Verilog (21EC32)	3		3	9	
		V	Information Theory & Coding (18EC54)	3				
07	Prof. P. V. Patil	III	LIC Lab using Pspice / MultiSIM (21EC383)			3	7	
		VII	Machine Learning with Python (PE) (18EC745)	3				
		VII	Project Phase -I (18ECP78)			1		
08	Prof. S. S. Itannavar	III	Basic Signal Processing (21EC33)	3		3	14	
		V	Digital Signal Processing (18EC52)	3	1			
		VII	Digital Signal Processing Laboratory (18ECL57)			4		
09	Prof. B. P. Khot	V	Principles of Communication Systems (18EC53)	3	1		13	
		VII	Digital Image processing (PE) (18EC733)	3				
		V	Digital Signal Processing Laboratory (18ECL57)			2		
		VII	Computer Networks Laboratory (18ECL76)			4		

H.O.D


  
HOD

Electronics & Communication Engg.  
Hirasugar Institute of Technology,  
Nidasoshi-591 236

  
PRINCIPAL


Hirasugar Institute of Technology  
NIDASOSHI-591236

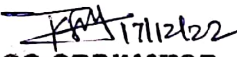



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			Academic
			Time Table (RV-02)
			2022-23 (Odd Sem)

### FIRST YEAR TIME TABLE (VTU 2022-23 SCHEME)

SEM: I	DIV: A (CSE)		CLASS STRENGTH : 60		ROOM NO: B - 205			W.E.F: 19-12-2022	
DAY/ TIME	I 09.00am- 09.55am	II 09.55am- 10.50am	Short Break-10:50 am-11:10am	III 11.10am- 12.05pm	IV 12.05pm- 01.00pm	Lunch Break - 1:00 pm-2:00 pm	V 02.00pm-02.55pm	VI 02.55pm-03.50pm	VII 03.50pm- 04.45pm
MONDAY	IEE	IOT		SFH	ICO		-		
TUESDAY	ENG	PPC		IOT	PHYS*		-		
WEDNESDAY	PPC	IEE		SFH	PHYS		-		
THURSDAY	PHYS	IEE		MATS	PPC		PHYS LAB - A1, MATH LAB - A2, PPC LAB-A3		
FRIDAY	IOT	MATS		MATS*	PHYS*		PHYS LAB – A2, MATH LAB – A3, PPC LAB-A1		
SATURDAY	PPC	MATS*		PHYS LAB – A3, MATH LAB – A1, PPC LAB-A2					
Faculty Details		Faculty Abrivations	Department		Subject Code		Subject Abrivations	Subject Abbreviations	
Prof.S.S.Thabaj		SST	MATHEMATICS		22MATS11		MATS	Mathematics	
Prof. V. M. Bhumannavar **		VMB	PHYSICS		22PHYS12		PHYS	Physics	
Prof. S.V.Manjaragi		SVM	CSE		22POP13		PPC	Principle of Programming using C	
Prof. H.R.Zinage		HRZ	EEE		22ESC142		IEE (ESC-I)	Introduction to Electrical Engineering	
Dr. R. R. Maggavi		RRM	ECE		22ETC15H		IOT (ETC-I)	Introduction to Internet of Things (IOT)	
Prof. B. S. Hooli		BSH	English		22ENG16		ENG	Communicative English	
Prof. M. S. Futane		MSF	IC		20ICO17		ICO	Indian Constitution	
Dr. M. S. Hanagadakar		MSH	Chemistry		22SFH18		SFH	Scientific Foundation of Health	
* Tutorial classes			** Class Teacher						
BATCH DETAILS		A1 → 01 to 20				A2 → 21 to 40		A3 → 41 to 60	

  
 (Prof. V. M. Bhumannavar)  
 CO-ORDINATOR

  
**CO-ORDINATOR**  
 First Year Engineering

  
**PRINCIPAL**  
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ECE Dept.

Academic

Time Table (V:00)

2022-23 (Even Sem.)

**TIME TABLE ACADEMIC YEAR 2022-23 (Even Semester)**

SEM: IV		CLASS STRENGTH:67			ROOM NO: D301		W.E.F: 05/06/2023		
DAY/ TIME	I 09.00AM- 09.55AM	II 09.55AM- 10.50AM	Break-10:50AM-11:10AM	III 11.10AM- 12.05PM	IV 12.05PM- 01.00PM	Lunch Break - 1:00PM-2:00PM	V 02.00PM- 02.55PM	VI 02.55PM- 03.50PM	VII 03.50PM – 04.45 PM
MONDAY	B1- DSP Lab (SSI) B2- C&C Lab (SSM) B3- Com. Lab-I (DMK) B4- ECB Lab (BPK)			CAP&SM (SAP)	C&C (SSM)		AICTE Activity Point Programme		
TUESDAY	BE (SGK)	DSP (SSI)		CT (DMK)	UHV (SSK)		CAP&SM (SAP)	CT (Self Study)	-
WEDNESDAY	CT (DMK)	CIP (MSF)		B2- DSP Lab (SSI) B3-C&C Lab (SSM) B4- Com. Lab-I (DMK) B1 -ECB Lab (BPK)			Additional Mathematics – II (SAP)		
THURSDAY	BE (SGK)	CT (DMK)		B3- DSP Lab (SSI) B4-C&C Lab (SSM) B1- Com. Lab-I (DMK) B2-ECB Lab (BPK)			UHV (SSK)	CAP&SM (SAP)	-
FRIDAY	DSP (SSI)	C&C (SSM)		B4- DSP Lab (SSI) B1-C&C Lab (SSM) B2- Com. Lab-I (DMK) B3-ECB Lab (BPK)			ECSA Activities		
SATURDAY	CAP&SM (SAP)	CIP (MSF)		C&C (SSM)	DSP (SSI)				
FACULTY DETAILS:				SUBJECT DETAILS:					
SAP	Prof. S. A. Patil		21MAT41	Complex Analysis, Probability and. Statistical Methods				CAP&SM	
SSI	Dr. S. S. Itannavar		IPCC 21EC42	Digital Signal Processing				DSP	
SSM	Prof. S. S. Malaj		IPCC 21EC43	Circuits & Controls				C&C	
DMK	Prof. D. M. Kumbhar		PCC 21EC44	Communication Theory				CT	
SGK	Prof. Sagar G. Kammar		AEC 21BE45	Biology For Engineers				BE	
DMK	Prof. D. M. Kumbhar		PCC 21ECL46	Communication Laboratory -I				Com. Lab-I	
MSF	Prof. M. S. Futne		HSMC 21CIP47	Constitution of India & Professional Ethics				CIP	
BPK	Prof. B. P. Khot		AEC 21EC481	Embedded C Basics (Ability Enhancement Course- IV )				ECB Lab	
SSK	Prof. S. S. Kamate		UHV 21UH49	Universal Human Values				UHV	
SAP	Prof. S. A. Patil		NCMC 21MATDIP41	Additional Mathematics - II				-	
BATCH DETAILS	B1:1-17		B2:18-34	B3:35-51				B4:52-67	

*3/6/2023*  
Prof. B. P. Khot  
Time Table Coordinator

*3.06.23*  
Dr. R. R. Maggavi

*3/6*  
Dr. S. C. Kamate

Electronics & Communication Engg.

Nidasoshi-591 250, Tal: Hukeri, Dist: Belagavi, Karnataka, India.

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HOB  
PRINCIPAL  
Hirasugar Institute of Technology  
NIDASOSHI-591236





**Course Plan 2022-23 Even – Semester -6<sup>th</sup>  
Electronics and Communication Engineering**

<b>Subject Title</b>	<b>PROGRAMMING IN JAVA</b>		
<b>Subject Code</b>	<b>18CS653</b>	<b>IA Marks</b>	40
<b>Number of Lecture Hrs / Week</b>	03	<b>Exam Marks</b>	60
<b>Total Number of Lecture Hrs</b>	40	<b>Exam Hours</b>	03
<b>CREDITS – 04</b>			

<b>FACULTY DETAILS:</b>			
<b>Name:</b> Prof. Prasanna Patil	<b>Designation:</b> Asst. Professor	<b>Experience:</b> 9.5 Years	
<b>No. of times course taught:</b> 01		<b>Specialization:</b> Computer Science and Engineering	

## 1.0 Prerequisite Subjects:

Sl. No	Branch	Semester	Subject
01	Computer Science and Engineering	I/II	CPS

## 2.0 Course Objectives

**This course will enable students to**

1. Learn fundamental features of object-oriented language and JAVA.
2. Set up a Java JDK environment to create, debug and run simple Java programs.
3. Learn object-oriented concepts using programming examples.
4. Study the concepts of importing packages and exception handling mechanisms.
5. Discuss the String Handling examples with Object Oriented concepts.

## 3.0 Course Outcomes

**After studying this course, students will be able to**

CO	Course Outcome	RBT Level	POs
C320.1	Explain the object-oriented concepts and JAVA.	L1, L2	1,2,3,8,10,12
C320.2	Develop computer programs to solve real world problems in Java.	L1, L2	1,2,3,8,10,12
C320.3	Develop simple GUI interfaces for a computer program to interact with users.	L1, L2	1,2,3,8,10,12
<b>Total Hours of instruction</b>		<b>50</b>	

## 4.0 Course Content

### Module 1 (8 Hours)

**An Overview of Java:** Object-Oriented Programming, A First Simple Program, A Second Short Program, Two Control Statements, Using Blocks of Code, Lexical Issues, The Java Class Libraries, Data Types, Variables, and **Arrays:** Java Is a Strongly Typed Language, The Primitive Types, Integers, Floating-Point Types, Characters, Booleans, A Closer Look at Literals, Variables, Type Conversion and Casting, Automatic Type Promotion in Expressions, Arrays, A Few Words About Strings

### Module 2 (8 Hours) Operators:

Arithmetic Operators, The Bitwise Operators, Relational Operators, Boolean Logical Operators, The Assignment Operator, The ? Operator, Operator Precedence, Using Parentheses, **Control Statements:** Java's Selection Statements, Iteration Statements, Jump Statements.

### Module 3 (8 Hours)

**Introducing Classes:** Class Fundamentals, Declaring Objects, Assigning Object Reference Variables, Introducing Methods, Constructors, The this Keyword, Garbage Collection, The finalize( ) Method, A Stack Class, **A Closer Look at Methods and Classes:** Overloading Methods, Using Objects as Parameters, A Closer Look at Argument Passing, Returning Objects, Recursion, Introducing Access Control, Understanding static, Introducing final, Arrays Revisited, **Inheritance:** Inheritance, Using super, Creating a Multilevel Hierarchy, When Constructors Are Called, Method Overriding, Dynamic Method Dispatch, Using Abstract Classes, Using final with Inheritance, The Object Class.





## Module 4

(8 Hours)

**Packages and Interfaces:** Packages, Access Protection, Importing Packages, Interfaces, **Exception Handling:** Exception-Handling Fundamentals, Exception Types, Uncaught Exceptions, Using try and catch, Multiple catch Clauses, Nested try Statements, throw, throws, finally, Java's Built-in Exceptions, Creating Your Own Exception Subclasses, Chained Exceptions, Using Exceptions.

## Module 5

(8 Hours)

**Enumerations, Type Wrappers, I/O, Applets, and Other Topics:** I/O Basics, Reading Console Input, Writing Console Output, The PrintWriter Class, Reading and Writing Files, Applet Fundamentals, The transient and volatile Modifiers, Using instanceof, strictfp, Native Methods, Using assert, Static Import, Invoking Overloaded Constructors Through this( ), **String Handling:** The String Constructors, String Length, Special String Operations, Character Extraction, String Comparison, Searching Strings, Modifying a String, Data Conversion Using valueOf( ), Changing the Case of Characters Within a String , Additional String Methods, StringBuffer, StringBuilder.

### 5.0 Relevance to future subjects

Sl No	Semester	Subject	Topics
01	VIII	Project work	Java

### 6.0 Relevance to Real World

SL.No	Real World Mapping
01	Development of a software applications

### 7.0 Gap Analysis and Mitigation

Sl. No	Delivery Type	Details
01	Tutorial	
02	NPTEL	

### 8.0 Books Used and Recommended to Students

<b>Text Books</b>
1. Herbert Schildt, Java The Complete Reference, 7th Edition, Tata McGraw Hill, 2007. (Chapters 2, 3, 4, 5, 6,7, 8, 9,10, 12,13,15)
<b>Reference Books</b>
1. Cay S Horstmann, "Core Java - Vol. 1 Fundamentals", Pearson Education, 10th Edition, 2016.
2. Raoul-Gabriel Urma, Mario Fusco, Alan Mycroft, "Java 8 in Action", Dreamtech Press/Manning Press, 1st Edition, 2014.
<b>Additional Study material &amp; e-Books</b>
1. Programming in Javaby Balguruswamy

### 9.0 Relevant Websites (Reputed Universities and Others) for Notes/Animation/Videos Recommended

<b>Website and Internet Contents References</b>
1. <a href="http://www.nptelvideos.com/java/java_video_lectures_tutorials.php">www.nptelvideos.com/java/java_video_lectures_tutorials.php</a>
2. <a href="https://www.cse.iitb.ac.in/~nlp-ai/javalect_august2004.html">https://www.cse.iitb.ac.in/~nlp-ai/javalect_august2004.html</a>
3. <a href="http://www.nptel.ac.in/courses/106105084/28">www.nptel.ac.in/courses/106105084/28</a>

### 10.0 Magazines/Journals Used and Recommended to Students

Sl. No	Magazines/Journals	website
1	Java Magazine - Oracle	<a href="http://www.oracle.com/technetwork/java/javamagazine/">www.oracle.com/technetwork/java/javamagazine/</a>
2	Java - IEEE Conferences, Publications, and Resources	<a href="https://www.computer.org/software-magazine/">https://www.computer.org/software-magazine/</a>
3	Java Developer's Journal - Steven Gould	<a href="https://jsrd.springeropen.com/">https://jsrd.springeropen.com/</a>





## 11.0 Examination Note

### Internal Assessment: 30+10=40 Marks

30 marks –from three internal assessment test

10 marks- from the assignments

### Scheme of Evaluation for Internal Assessment (30 Marks)

a) Internal Assessment test in the same pattern as that of the main examination (Average of the three Tests): 30 marks.

b) Assignment marks for each module is 25. Average of 5 assignment marks will be taken and finally scale down to 10 marks.

### Question Paper Pattern (IA):

1. Two main questions to be set from syllabus covered up to IA tests.
2. Students have to answer two full main questions and each question carries 15 marks, Total test marks are 30.
  - a. Q.No I or Q.No II = 15 Marks
  - b. Q.No III or Q.No IV = 15 Marks
  - c. **Total = 30 Marks**

### Question Paper Pattern and instructions (Main Exam):

1. The question paper will have TEN questions.
2. There will be TWO questions from each module.
3. Each question will have questions covering all the topics under a module.
4. The students will have to answer FIVE full questions, selecting ONE full question from each module.  
Max. Marks: 100 and each question carries 20 marks.

Exam Duration: 3 Hrs.

5. The total marks scored out of 100 marks will be scaled down to 60 marks.

## 12.0 Course Delivery Plan

Module	Lecture No.	Content of Lecturer	% of Portion
<b>MODULE 1</b>	1	Object-Oriented Programming, A First Simple Program, A Second Short Program,	20%
	2	Two Control Statements, Using Blocks of Code, Lexical Issues,	
	3	The Java Class Libraries, Data Types, Variables	
	4	Arrays: Java Is a Strongly Typed Language, The Primitive Types, Integers	
	5	Floating-Point Types, Characters, Booleans, A Closer Look at Literals,	
	6	Variables, Type Conversion and Casting, Automatic Type Promotion in Expressions,	
	7	Arrays	
	8	A Few Words About Strings	
<b>MODULE 2</b>	9	Operators: Arithmetic Operators	20%
	10	The Bitwise Operators,	
	11	Relational Operators, Boolean Logical Operators	
	12	The Assignment Operator, The ? Operator	
	13	Operator Precedence, Using Parentheses	
	14	Control Statements: Java's Selection Statements	
	15	Iteration Statements	
	16	Jump Statements.	
<b>MODULE 3</b>	17	Introducing Classes: Class Fundamentals, Declaring Objects, Assigning Object Reference Variables,	20%
	18	Introducing Methods, Constructors, The this Keyword,	
	19	Garbage Collection, The finalize( ) Method, A Stack Class,	
	20	A Closer Look at Methods and Classes: Overloading Methods, Using Objects as Parameters, A Closer Look at Argument Passing, Returning Objects,	
	21	Recursion, Introducing Access Control, Understanding static, Introducing final	
	22	Arrays Revisited, Inheritance: Inheritance, Using super, Creating a Multilevel Hierarchy	
	23	When Constructors Are Called, Method Overriding, Dynamic Method Dispatch	
	24	Using Abstract Classes, Using final with Inheritance, The Object Class.	





**Course Plan 2022-23 Even – Semester -6<sup>th</sup>  
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<b>MODULE 4</b>	25	Packages, Access Protection, Importing Packages,	20%
	26	Interfaces,	
	27	Exception Handling: Exception-Handling Fundamentals, Exception Types, ,	
	28	Uncaught Exceptions, Using try and catch, Multiple catch Clauses,	
	29	Nested try Statements, throw, throws,	
	30	finally, Java's Built-in Exceptions,	
	31	Creating Your Own Exception Subclasses	
	32	Chained Exceptions, Using Exceptions.	
<b>MODULE 5</b>	33	I/O Basics, Reading Console Input, Writing Console Output,	20%
	34	The PrintWriter Class, Reading and Writing Files, Applet Fundamentals,	
	35	The transient and volatile Modifiers, Using instanceof, strictfp, Native Methods	
	36	Using assert, Static Import, Invoking Overloaded Constructors Through this( )	
	37	String Handling: The String Constructors, String Length, Special String Operations,	
	38	Character Extraction, String Comparison, Searching Strings	
	39	Modifying a String, Data Conversion Using valueOf( ), Changing the Case of Characters Within a String	
	40	Additional String Methods, StringBuffer, StringBuilder.	

**13.0 Assignments, Pop Quiz, Mini Project, Seminars**

Sl. No.	Title	Outcome expected	Allied study	Week No.	Individual / Group activity	Reference: book/website /Paper
1	Assignment 1: Some important University Questions on Module one.	Students study the Topics and write the Answers. Get practice to solve questions.	Module one of the syllabus	3	Individual Activity. Witten solutions expected.	Text book
2	Assignment 2: Some important University Questions on Module two	Students study the Topics and write the Answers. Get practice to solve questions.	Module two of the syllabus	6	Individual Activity. Witten solutions expected.	Text book
3	Assignment 3: Some important University Questions on module three.	Students study the Topics and write the Answers. Get practice to solve questions.	Module three of the syllabus	9	Individual Activity. Witten solutions expected.	Text book
4	Assignment 4: Some important University Questions and comprehensive questions on module four.	Students study the Topics and write the Answers. Get practice to solve questions.	Module four of the syllabus	11	Group Activity powerpoint presentation	Text book and reference books
5	Assignment 5: Some important University Questions and comprehensive questions on module five.	Students study the Topics and write the Answers. Get practice to solve questions.	Module five of the syllabus	13	Group Activity powerpoint presentation	Text book and reference books





## **14.0 QUESTION BANK**

### **Module 1:**

1. Explain the features of Java.
2. Elucidate how Java is a platform independent language, with neat sketches
3. List and explain Java buzzwords.
4. Explain the process of creating and running Java programs.
5. Explain the structure of a Java program and its keywords with an example.
6. Write & demonstrate a Java program to initialize & display different types of integers & floating type variables.
7. Explain different access specifiers in Java & their scope.
8. Define type casting. Explain with an example.
9. Explain type conversion, with an example.
10. What is type casting? Illustrate with an example. What is meant by automatic type promotion?
11. How are arrays defined in Java? Explain with an example.

### **Module 2:**

1. Discuss operators in Java.
2. What is a jump statement? Explain with examples.
3. Explain : i) >>> ii) short circuit logical operators iii) for each
4. With an example explain the working of >> and >>> (unsigned right shift)
5. Write a Java program to print the factorial of the number 'n' using the "for" loop.
6. Write a program to calculate the average among the elements {8, 6, 2, 7} using "for each" in Java. How is "for each" different from "for" loop?
7. Write a Java program to sum only the first five elements of the array {1,2,3,4,5,6,7,8,9,10} using "for each" version of the for loop.
8. Write a java program to sum only first five elements of the array using for each looping.
9. Explain the operation of the following operators with examples. i) % ii) >>> iii) &&
10. How to declare two dimensional arrays in java? Explain with a simple example.
11. Write a Java program to illustrate the use of multidimensional arrays.

### **Module 3:**

1. Define inheritance. List the different types of inheritance. (Jan-2018)
2. Discuss the following terms with an example: i) super ii) final (Jan-2019)
3. Define inheritance. Explain the multilevel hierarchy with an example program,
4. Write a Java program to define an interface called Area which contains method called Compute( ) and calculate the areas of rectangle ( $\ell * b$ ) and triangle ( $1/2 * b * h$ ) using classes Rectangle and Triangle.
5. With an example program explain the method overriding?
6. Compare and contrast method overloading and method overriding with suitable examples.
7. When constructors are called in the class hierarchy?
8. Distinguish between method overloading and overriding in Java, with suitable examples.

### **Module 4:**

1. Explain the package and its types and import commands in Java with examples.
2. Describe the various levels of access protections available for packages and their implications.
3. Which is the alternative method to implement multiple inheritance in Java? Explain with an example.
4. Explain the role of interfaces while implementing multiple inheritance in Java.
5. Give the basic form of an exception handling block.
6. Define the role of Exception handling in software development.
7. What is an exception? Give an example for nested try statements.
8. Define exceptions. Explain the exception handling mechanism with an example.
9. Explain Java's built-in exceptions.
10. What is the importance of the clause finally?
11. Create a try block that is likely to generate three types of exception and incorporate necessary catch block to catch and handle them.
12. Write a Java program for illustrating the exception handling when a number is divided by zero and an array has a negative index value.







**Course Plan 2022-23 Even – Semester -6<sup>th</sup>**  
**Electronics and Communication Engineering**

**Module 5:**

1. Write a note about a PrintWriter Class.
2. With a neat diagram, explain the life cycle of Applet.
3. Write a note on Native Methods.
4. Write a note on Special String Operations.
5. Write a note on StringBuffer.
6. Write a note on StringBuilder.

**15.0 University Result**

Examination	Total Students	PASS ( P )	FAIL ( F )	% Passing
2021 Feb/March	41	40	01	97.5 %
2022 July	23	23	00	100%

Prepared by	Checked by		
			
Prof. P. G. Patil	Prof. M. G. Huddar	HOD	Principal





<b>Subject Title</b>	<b>LIC (Linear Integrated Circuits) Lab using Pspice / MultiSIM</b>		
<b>Subject Code</b>	<b>21EC383</b>	<b>CIE Marks</b>	<b>50</b>
<b>Teaching Hours/Week (L:T:P: S)</b>	<b>0:0:2:0</b>	<b>SEE Marks</b>	<b>50</b>
<b>Total Number of Lecture Hrs</b>	<b>6</b>	<b>Exam Hours</b>	<b>03</b>
<b>CREDITS – 01</b>			

**FACULTY DETAILS:**

<b>Name: Prof. Pramod V Patil</b>	<b>Designation: Asst. Professor</b>	<b>Experience: 10 Years</b>
<b>No. of times course taught: 01</b>		<b>Specialization: VLSI &amp; Embedded System Design</b>

## 1.0 Prerequisite Subjects:

Sl. No	Branch	Semester	Subject
01	Electronics & Communication Engineering	I/II	Basic Electronics
02	Electronics & Communication Engineering	III	Analog Electronics

## 2.0 Course Objectives

This laboratory course enables students to

- To apply operational amplifiers in linear and nonlinear applications.
- To acquire the basic knowledge of special function ICs.
- To use Multisim/Pspice software for circuit design and simulation

## 3.0 Course Outcomes

At the end of the course students will be able to:

Sr. No.	Course Outcome	RBT Level	POs
C208.1	Sketch/draw circuit schematics, construct circuits, analyze and troubleshoot circuits containing op-amps, resistors, diodes, capacitors and independent sources.	L3	PO1 to PO12
C208.2	Relate to the manufacturer's data sheets of IC 555 timer and IC $\mu$ a741 op-amp.	L3	PO1 to PO12
C208.3	Realize and verify the operation of analog integrated circuits like Amplifiers, Precision Rectifiers, Comparators and Waveform generators.	L3	PO1 to PO12
C208.4	Design and implement analog integrated circuits like Oscillators, Active filters, Timer circuits, Data converters and compare the experimental results with theoretical values.	L3	PO1 to PO12
<b>Total Hours of instruction</b>		<b>06(Weekly)</b>	



#### 4.0

#### Course Content

##### Laboratory Experiments:

1. To realize using op-amp an Inverting Amplifier and Non-Inverting Amplifier
2. To realize using op-amps i) Summing Amplifier ii) Difference amplifier
3. To realize using op-amps an Instrumentation Amplifier
4. To realize using op-amps i) Differentiator ii) Integrator
5. To realize using op-amps a Full wave Precision Rectifier
6. To realize using op-amps
  - ☐ Inverting and Non-Inverting Zero Crossing Detectors
  - ☐ Positive and Negative Voltage level detectors
7. To realize using op-amp an Inverting Schmitt Trigger
8. To realize using op-amp an Astable Multivibrator
9. To design and implement using op-amps
  - ☐ Butterworth I & II order Low Pass Filter
  - ☐ Butterworth I & II order High Pass Filter
10. To design and implement using op-amp a RC Phase Shift Oscillator
11. To design and implement Mono-stable Multivibrator using 555 timer
12. To design and implement 4 - bit R-2R Digital to Analog Converter

#### 5.0

#### Relevance to future subjects

Sl No	Semester	Subject	Topics
01	VIII	Project work	Communication

#### 6.0

#### Relevance to Real World

SL. No	Real World Mapping
01	Signal Processors
02	Integrators/ Differentiators

#### 7.0

#### Gap Analysis and Mitigation

SL. No	Delivery Type	Details
01	Tutorial	Topic: Lettering, Line, Methods of dimensioning
02	NPTEL	Linear Integrated circuits

#### 8.0

#### Books Used and Recommended to Students

##### Text Books

- 1) Op-Amps and Linear Integrated Circuits, Ramakant A Gayakwad, 4<sup>th</sup> Edition, Pearson Education, 2018.

#### 9.0

#### Relevant Websites (Reputed Universities and Others) for Notes /Animation / Videos Recommended

##### Website and Internet Contents References

- 1) <https://vtu.ac.in>
- 2) <http://www.bookspare.com/engineering-vtu>
- 3) <https://www.youtube.com/watch?v=lpXNCwsnxjM&list=PLuv3GM6-gsE3npYPJJDnEF3pdiHZZT6Kj3>





## 10.0 Magazines/Journals Used and Recommended to Students

Sl. No	Magazines/Journals	Website
1	IEEE	<a href="http://ieeexplore.ieee.org/Xplore/home.jsp">http://ieeexplore.ieee.org/Xplore/home.jsp</a>

## 11.0 Examination Note

### Assessment Details (both CIE and SEE).

The weightage of Continuous Internal Evaluation (CIE) is 50% and for Semester End Exam (SEE) is 50%. The minimum passing mark for the CIE is 40% of the maximum marks (20 marks). A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to each course. The student has to secure not less than 35% (18 Marks out of 50) in the semester-end examination (SEE).

### Continuous Internal Evaluation (CIE):

CIE marks for the practical course is **50 Marks**.

The split-up of CIE marks for record/ journal and test are in the ratio **60:40**.

- Each experiment to be evaluated for conduction with observation sheet and record write-up. Rubrics for the evaluation of the journal/write-up for hardware/software experiments designed by the faculty who is handling the laboratory session and is made known to students at the beginning of the practical session.
- Record should contain all the specified experiments in the syllabus and each experiment write-up will be evaluated for 10 marks.
- Total marks scored by the students are scaled down to 30 marks (60% of maximum marks).
- Weightage to be given for neatness and submission of record/write-up on time.
- Department shall conduct 02 tests for 100 marks, the first test shall be conducted after the 8<sup>th</sup> week of the semester and the second test shall be conducted after the 14<sup>th</sup> week of the semester.
- In each test, test write-up, conduction of experiment, acceptable result, and procedural knowledge will carry a weightage of 60% and the rest 40% for viva-voce.
- The suitable rubrics can be designed to evaluate each student's performance and learning ability. Rubrics suggested in Annexure-II of Regulation book
- The average of 02 tests is scaled down to **20 marks** (40% of the maximum marks).

The Sum of scaled-down marks scored in the report write-up/journal and average marks of two tests is the total CIE marks scored by the student.

### Semester End Evaluation (SEE):

SEE marks for the practical course is 50 Marks.

SEE shall be conducted jointly by the two examiners of the same institute, examiners are appointed by the University. All laboratory experiments are to be included for practical examination. (Rubrics) Breakup of marks and the instructions printed on the cover page of the answer script to be strictly adhered to by the examiners. **OR** based on the course requirement evaluation rubrics shall be decided jointly by examiners. Students can pick one question (experiment) from the questions lot prepared by the internal /external examiners jointly.

Evaluation of test write-up/ conduction procedure and result/viva will be conducted jointly by examiners. General rubrics suggested for SEE are mentioned here, writeup-20%, Conduction procedure and result in -60%, Viva-voce 20% of maximum marks. SEE for practical shall be evaluated for 100 marks and scored marks shall be scaled down to 50 marks (however, based on course type, rubrics shall be decided by the examiners) Change of experiment is allowed only once and 15% Marks allotted to the procedure part to be made zero. The duration of SEE is 03 hours



## 12.0 Course Delivery Plan

Experiment	Lecture No.	Content	% of Portion
1	1	To realize using op-amp an Inverting Amplifier and Non-Inverting Amplifier	8
2	2	To realize using op-amps i) Summing Amplifier ii) Difference amplifier	16
3	3	To realize using op-amps an Instrumentation Amplifier	24
4	4	To realize using op-amps i) Differentiator ii) Integrator	32
5	5	To realize using op-amps a Full wave Precision Rectifier	40
6	6	To realize using op-amps □□ Inverting and Non-Inverting Zero Crossing Detectors □□ Positive and Negative Voltage level detectors	48
7	7	To realize using op-amp an Inverting Schmitt Trigger	56
1	1	To realize using op-amp an Astable Multivibrator	64
2	2	To design and implement using op-amps □□ Butterworth I & II order Low Pass Filter □□ Butterworth I & II order High Pass Filter	72
3	3	To design and implement using op-amp a RC Phase Shift Oscillator	80
4	4	To design and implement Mono-stable Multivibrator using 555 timer	88
5	5	To design and implement 4 - bit R-2R Digital to Analog Converter	100

## 13.0 University Result

Examination	FCD	FC	SC	% Passing
First Time Introduced				

Prepared by	Checked by		
Prof. Pramod V Patil	Prof. Sachin S Patil	HOD	Principal




# LESSON PLAN

Course: Technological Innovation M & E Code: 18ES51 Lect. Per week: 03

Sem. :

Mod- ule/ Unit	Details of content to be taught	Date		Signature		
		Planned	Actual	Faculty	HOD	
1	Management: Nature & Functions of Management - Importance, Definition	11/10	11/10	B		
	Management Functions, Levels of Management, Roles of Manager, Managerial Skills, Management & Administration, Management as a Science, Art & profession	12/10	12/10	B		
	Planning: Nature - Importance, Types, steps & limitations of planning	13/10	13/10	B		
	Decision-Making - Meaning, Types & steps in Decision - Making	18/10	18/10	B		
		19/10	19/10	B		
		20/10	20/10	B	B	
		26/10	27/10	B		
		27/10	30/10	B		
	Planned Hrs: 08		Actual Hrs: 08			
2	organizing & Staffing: organization, Meaning, characteristics, process of organizing, principles of organizing	30/10	3/11	B		
	Span of Management, Departmentalization, committees - Meaning, Types of committees, centralization vs decentralization of Authority & Responsibility; Staffing: Need & Importance, Recruitment & Selection process	2/11	5/11	B		
	Directing & Controlling: Meaning & Requirements of Effective Direction, Giving orders: Motivation - Nature of Motivation, Motivation Theories	3/11	8/11	B	B	
	communication - Meaning, Importance & purposes	8/11	9/11	B		
		9/11	10/11, 15/11, 17/11	B		
	Planned Hrs: 11		Actual Hrs: 08			

  
HOD

  
PRINCIPAL



# LESSON PLAN

Course : Technological Innovation M&E Code : 18ESS1 Lect. Per week : 05

Sem. :

Module/ Unit	Details of content to be taught	Date		Signature	
		Planned	Actual	Faculty	HOD
	of communication; Leadership	10/11	8	21/11	
	- Meaning, characteristics,	15/11	8	21/11	
	Behavioural Approach of Leadership	16/11	8	22/11	
	coordination - Meaning, Types,	17/11	8	23/11	
	Techniques of coordination	22/11	8	24/11	
	controlling - Meaning, Need for	23/11	8	24/11	
	control System, Benefits of control,				
	Essentials of effective control system,				
	Steps in control process.				

Planned Hrs: 11

Actual Hrs: 12

3	Social Responsibilities of Business :	1/12	8	1/12	
	Meaning of social Responsibility,	6/12	8	1/12	
	Social Responsibilities towards Diff	7/12	8	1/12	
	groups, Social Audit, Business	8/12	8	5/12	
	Ethics & corporate Governance	13/12	8	6/12	
	Entrepreneurship : Definition of	14/12	8	6/12	
	Entrepreneur, Importance of Entrepre	15/12	8		
	neurship, Concepts of Entrepreneurship	20/12	8	8/12	
	Characteristics of successful Entrepre	20/12	8	8/12	
	neur, Classification of Entrepreneurs				
	Myths of Entrepreneurship, Entre				
	preneurial Development models				

Planned Hrs: 08

Actual Hrs :

HOD

PRINCIPAL



# LESSON PLAN

Course: Technological Innovation M&E Code: 18ES51 Lect. Per week: 03

Sem. :

Module/ Unit	Details of content to be taught	Date		Signature	
		Planned	Actual	Faculty	HOD
	Entrepreneurial development cycle, problems faced by Entrepreneurs & Capacity building for Entrepreneurship.	20/12	28	12/12	

Planned Hrs: 08

Actual Hrs: 06

4	Family Business: Role & Importance of Family Business, Contributions of Family Business in India, Stages of Development of a Family Business, characteristics of a Family owned Business in India, various	21/12	28	14/12	
	Types of family businesses.	22/12	28	15/12	
	Idea Generation & Feasibility Analysis	28/12	28	20/12	
	Idea Generation: Creativity & Innovation: Identification of Business opportunities; Market Entry Strategies	3/1	28	21/12	
	Marketing Feasibility; Financial Feasibilities; political Feasibilities	4/1	28	26/12	
	Economic Feasibility; Social & Legal Feasibilities, Technical	5/1	28	27/12	
	Feasibilities; Managerial Feasibility	10/1	28	3/1	
		10/1	28		

Planned Hrs: 07

Actual Hrs: 07

HOD

PRINCIPAL



S J P N Trust's

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ECE Dept.

Academics

**Pedagogical  
Aids**

2021-22

## Pedagogical teaching Aids

**Sem: V**

**Sub Name : Electromagnetic Waves**

**Sub. Code:18EC55**

As Electromagnetics is one of the core critical course of Electronics and Communication Engineering. The course has to be learnt in three dimensional co-ordinate systems namely 1. Rectangular co-ordinate System 2. Cylindrical co-ordinate System 3. Spherical co-ordinate System.

### **1. Rectangular Co-ordinate System**

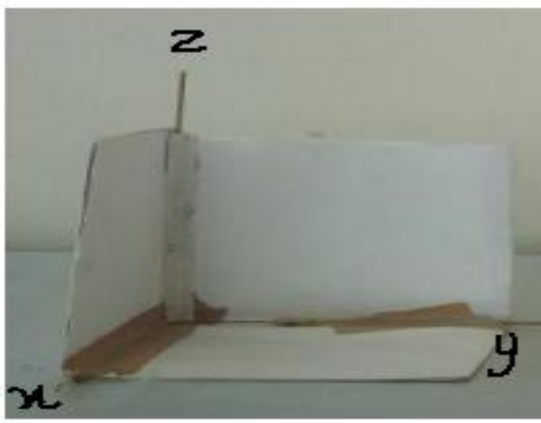


Fig.1: Rectangular Co-ordinate System

**Description :** Rectangular co-ordinate system has x, y and z as it's vertices Usually x- direction is considered to in a direction coming out from the board y is assumed from left to right direction and z is upward movement to convince the co-ordinate system and constant planes a model with card sheet and paper prepared as depicted in Fig. 1.

### **2. Cylindrical Co-ordinate System**

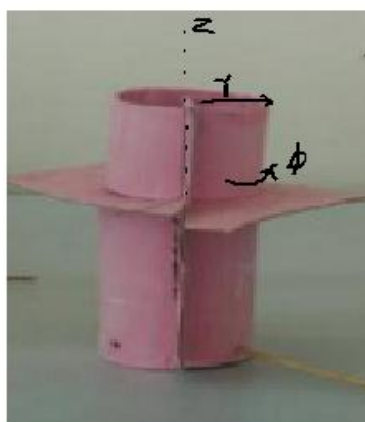


Fig.2: Cylindrical Co-ordinate System





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Pedagogical  
Aids

2021-22

**Description :** Cylindrical co-ordinate system has  $r$ ,  $\theta$  and  $z$  as it's vertices,  $z$ - direction is same as considered in rectangular co-ordinate system. The  $r$  direction is along the radius of the cylinder and  $\theta$  is an angle defines the circularity of the cylinder, varies from 0 degrees to 360 degrees for the complete cylinder. To convince the vertices and constant planes of this co-ordinate system a model with card sheet and paper prepared as depicted in Fig. 2.

### 3. Spherical Co-ordinates System

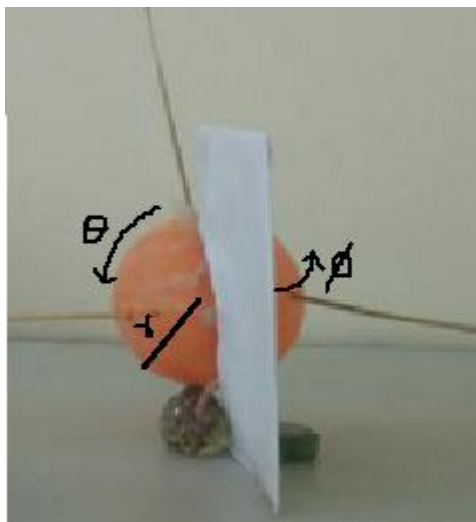



Fig.3: Spherical Co-ordinate System

**Description :** Spherical co-ordinate system has  $r$ ,  $\theta$  and  $\phi$  as it's vertices,  $z$ . The  $r$  direction is along radius of the sphere. The  $\theta$ - direction is top- down movement the sphere, which is measured from  $z$ -direction and it's an angle. For the complete sphere  $\theta$  runs from 0 degrees to 180 degrees Movement in  $\phi$ -direction depends on  $r$ . i.e ( $rd\phi$ ). The  $\phi$  is an angle that varies from 0 degrees to 360 degrees to make the complete sphere. To convince the vertices and constant planes of this co-ordinate system a model with card sheet, ball and paper prepared as depicted in Fig. 3.

**Outcome :** As per the oral feedback by students these models truly help in convincing the various co-ordinate systems thoroughly.hence help in better understanding of the course.

Prepared by Prof. S. S. Kamate  
Course Incharge

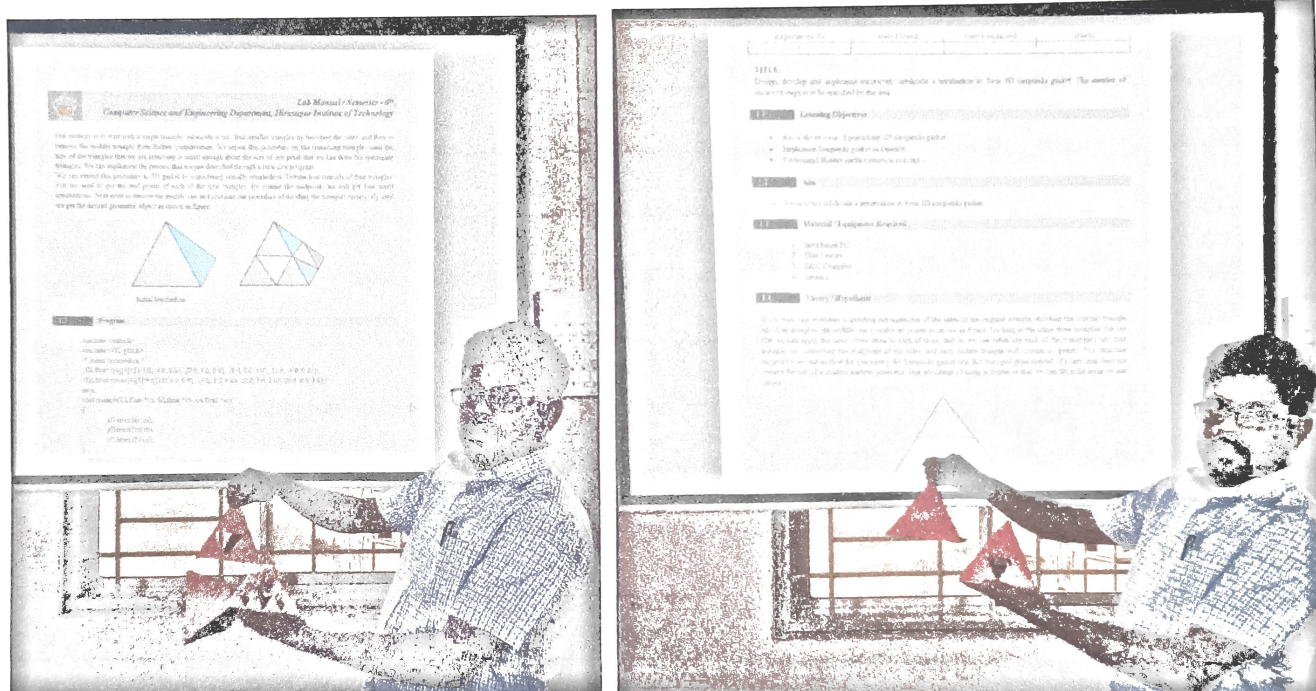
HOD

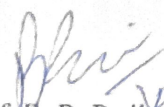
	<b>S J P N Trust's</b>	<b>Dept. of CSE</b>
	<b>Hirasugar Institute of Technology, Nidasoshi</b>	<b>Academic</b>
	<i>Inculcating Values, Promoting Prosperity</i>	<b>Teaching Aids</b>
	Approved by AICTE, Recognized by Govt. of Karnataka and Permanently Affiliated to VTU Belagavi. <b>Accredited at 'A' Grade by NAAC</b> <b><u>Programmes Accredited by NBA: CSE, ECE, EEE &amp; ME.</u></b>	<b>2020-21</b>

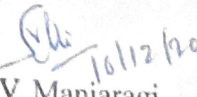
Date: 10/12/2020

## Teaching Aids: Models/Charts


1. **Class/Semester:** Third Year / V
2. **Course:** Computer graphics laboratory with mini project
3. **Course code:** 18CS67
4. **Topic :** Recursive subdivision of tetrahedra to form 3D sierpinski gasket
5. **Working model (Photos)/Chart::**



  
 Prof. R. R. Patil  
 Course coordinator

  
 Prof. S. V. Manjaragi  
 HOD  
 H.O.D  
 Computer Science & Engg.  
 HIT, Nidasoshi.



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		<b>Academics</b>
		<b>Pedagogical teaching aid</b>
		<b>2018-19 to 2022-23</b>

### List of Pedagogical Teaching Aid used by teachers for Teaching Learning Process

The teachers utilize pedagogical teaching aid/innovative teaching methods for effective delivery of curriculum in order to make the students better understand the concept. The students will gain the practical demonstration of the theoretical concept. The list of pedagogical teaching/innovative teaching methods used by teachers is provided herewith.

Sl.No	Name of the Teacher	Department	Academic Year	Title of Teaching Aid used	Topic covered	Link to document if uploaded
1	Dr.R.R.Maggavi	ECE	2021-22	Model-Basic Electronics	Switching on/off and LED	<a href="https://www.hsit.ac.in/dept-doc/EC/updates/ECE-Teaching-Aids.pdf">https://www.hsit.ac.in/dept-doc/EC/updates/ECE-Teaching-Aids.pdf</a>
2	Prof.S.B.Akkole	ECE	2019-20	Model-Digital Switching Systems	Switching System of the Telecommunication	
3	Prof.S.S.Malaj	ECE	2018-19,,21-22,22-23	Charts-Management	Hierarchy of Organizational Plans	
4	Prof.S.S.Malaj	ECE	2022-23	Charts-Management	Network Design	
5	Prof.S.S.Malaj	ECE	2022-23	Charts-Intro to IoT	Outline of a simple Actuation Mechanism	
6	Prof.S.S.Malaj	ECE	2022-23	Charts-Circuits and Controls	Time Response of First order Systems	
7	Prof.S.S.Malaj	ECE	2022-23	Charts-Basic Electronics	The Differentiator	
8	Prof.B.P.Khot	ECE	2021-22, 2022-23	Model- Digital Image Processing	Basic experimental setup used to characterize brightness discrimination	
9	Prof.B.P.Khot	ECE	2021-22, 2022-23	Charts- Digital Image Processing	Fundamental Steps in Digital Image Processing	
10	Prof.B.P.Khot	ECE	2021-22, 2022-23	Charts-Network Security	Handshake Protocol action	
10						

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			<b>Academic</b>
			<b>IA – I/III</b>
			<b>2022-23 (ODD)</b>

Ref: HSIT/NDS/ IA Exam/2022-23/ 880

Date: 18/01/2023

## CIRCULAR

The first IA for I semester and third IA for V semester for all branches will be conducted as per the below schedule. All the concerned are hereby informed to follow the same.

### IA Schedule

Date → Time → Semester ↓	23-01-2023		24-01-2023			25-01-2023		
	11.00 AM – 12.30 PM#	2.30PM – 04.00 PM#	11.00 AM – 12.30 PM#	2.30 PM – 04.00 PM#	04.15 PM – 05.15 PM#	11.00 AM – 12.30 PM#	2.30 PM – 04.00 PM#	04.15PM – 05.15PM#
I	22**11	22**12	*22POP13	22**142/ 22**143/ 22**145	22ENG16	22**15H/ 22**15I/ 22**15E	22ICO17/ 22KSK17	22SFH18/ 22IDT18
V	18**51	18**52	18**53	18**54	18CIV59	18**55	18**56	—

**Note:**


- # For 50 Marks Test, Duration: 90 Minutes and For 20 Marks Test, Duration: 60 Minutes.
- \*22POP13 subject IA exam for A and B divisions (CSE) only and 22CAED13 lab exams for C (ECE), D (EEE) and E (ME & Civil Engg.) are conducted as per below time table (\*\*).

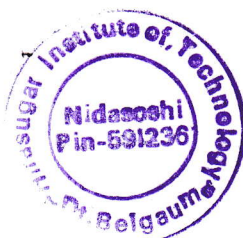
## Seating Arrangement (As per the Roll Call)

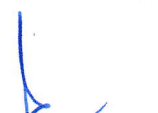
Wing	Block	Semester-Branch : Roll Nos.	
<b>B</b>	1	IA-FY:01-30 (30)	V-CS:01-30 (30)
	2	IE-FY:01-20 (20)	V-CS:31-60 (30)
	3	IB-FY: 01-33 (33)	V-ME:01-21 (21) V-Civil:01-08 (08)
	4	IC-FY:01-30 (30)	V-EC:01-30 (30)
	5	IC-FY:31-60 (30)	V-EC:31-46 (16)
<b>D</b>	6	ID-FY:01-30 (30)	V-EE:01-18 (18)
	7	ID-FY:31- 48 (18)	IA-FY:31-60 (30)

**\*\* TIME TABLE FOR Computer Aided Engineering Drawing LAB (22CAED13)**  
Exam Venue: CAED Lab


Date	Batch/Examiner	Time
23-01-2023	E (PRP)	04.00 PM TO 05.30 PM
24-01-2023	C1 & D1 (DNI & GMZ)	09.30 AM TO 11.00 AM
	C2 & D2 (DNI & GMZ)	10.30 AM TO 12.00 NOON
	C3 & D3 (DNI & GMZ)	11.30 AM TO 01.00 PM

  
**Dr. M. M. Shivashimpi**  
Dean Examinations



  
**Dr. S. C. Kamate**  
Principal  
Hirasugar Institute of Technology  
NIDASOSHI-591236



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			Academic
			IA – I
			2023-24 (ODD)

Ref: HSIT/NDS/ IA Exam/2023-24/ **542**

Date: 12/10/2023

## CIRCULAR

The Room Invigilator duty allotted for conduct first IA of I semester and VII semester for all branches is as below.

### ROOM SUPERINTENDENT DUTY CHART

Mechanical Engg.				Electronics & Comm. Engg.				Electrical & Electronics Engg.				Computer Science & Engg.				Civil Engg. and First Year			
Staff	19 <sup>th</sup> October 2023	20 <sup>th</sup> October 2023	21 <sup>st</sup> October 2023	Staff	19 <sup>th</sup> October 2023	20 <sup>th</sup> October 2023	21 <sup>st</sup> October 2023	Staff	19 <sup>th</sup> October 2023	20 <sup>th</sup> October 2023	21 <sup>st</sup> October 2023	Staff	19 <sup>th</sup> October 2023	20 <sup>th</sup> October 2023	21 <sup>st</sup> October 2023	Staff	19 <sup>th</sup> October 2023	20 <sup>th</sup> October 2023	21 <sup>st</sup> October 2023
KMA		M	M2	SSM	M		A	SDH				SVM	M	E		PRP		E	M1
DNI	CAED Lab (D1, D2 & D3)			SSK	A			HRZ		A	M2	MGH		A	A	VIP	A	E	M1
MSF	M			DMK				OBH	M	A		NKH		E	M1	SVJ	M	E	A
SAG	A		M2	SSP		M	A	AUN		M	M2	AAD		A		SSB	M		M2
MAH	CAED Lab (F1 & F2)			DBM	A	E	M1	KBN	A			PGP	M		A	MSH	M		A
GMZ	CAED Lab (E1, E2 & E3)			SSI		M	M1	SGH		E	M1	SIM		A	M2	SLP		A	M2
PMK	M	A	A	BPK	M		A	PIS	A		M2	MGG		M	A	SJW			M1
				SRM	A	A	M1									VMB	A	E	
				KSP	M	E	M2									SAP		A	M2
																SST		A	A
																INK	A	E	M1
																TSB	A	E	M1
																SBR		A	M1
																BSK	A		M2

#### Departmental Exam Coordinator:

1. Prof. M. S. Futane (ME)
2. Prof. A. A. Daptardar (CSE)
3. Prof. S. S. kamate (ECE)
4. Prof. K. B. Negalur (EEE)
5. Prof. P. R. Patil (Civil Engg.)
6. Dr. S. J. Walki (1<sup>st</sup> Year)

#### Observer:

BVM: 19<sup>th</sup> October 2023 (M & A) & SNT: 19<sup>th</sup> October 2023 (M & A)  
 SMC: 20<sup>th</sup> October 2023 (M, A & E) & KBM: 20<sup>th</sup> October 2023 (M, A & E)  
 MPY: 21<sup>st</sup> October 2023 (M, A & E) & MCS: 21<sup>st</sup> October 2023 (M, A & E)

**Note: M: 11.00 AM – 12.30 PM, A: 2.30 PM – 4.00 PM & E: 04.00 PM-05.00 PM on Thursday and Friday only**  
**M1: 10.00 AM – 11.30 AM, M2: 11.30 AM – 12.30 PM & A: 01.00 PM-02.00 PM on Saturday only**


IA Exam  
 Control Room:  
**Class Room B102 (F div.)**  
 First Year  
 Engineering  
 Department

#### Instructions:

1	Room Superintendent shall be present in the Examination Center 20 minutes before the commencement of examination.
2	Subject In-charge shall handover / arrange to handover the Blue books of their subject(s) to the Examination Center 30 minutes before the commencement of Examination.
3	Subject In charge shall Collect / arrange to collect their Blue books from the Examination Center within 15 minutes, after the Examination is over.
4	The word ABSENT shall be written in CAPITAL letters in the Form – B in <b>RED INK</b> only.
5	Utmost discipline shall be maintained in the examination hall.
6	<b>Carrying of Mobile Phones / Electronic gadgets is strictly prohibited in the Examination Hall.</b>

**Dr. M. M. Shivashimpi**  
 Dean Examinations

**Dr. S. C. Kamate**  
 • Principal

	<p style="text-align: center;">S J P N Trust's</p> <p style="text-align: center;"><b>Hirasugar Institute of Technology, Nidasoshi.</b></p> <p style="text-align: center;"><i>Inculcating Values, Promoting Prosperity</i></p> <p style="text-align: center;">Approved by AICTE, New Delhi, Permanently Affiliated to VTU, Belagavi</p> <p style="text-align: center;">Recognized under 2(f) &amp; 12B of UGC Act, 1956</p> <p style="text-align: center;">Accredited at 'A' Grade by NAAC &amp; Programmes Accredited by NBA:CSE &amp;ECE.</p>	ECE Dept.
		Exam.
		Lab. IA
		2022-23(Even Sem)

Ref : HSIT/NDS/ECE/Lab IA TT/2022-23/07

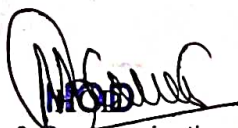
Date:12/09/2023


## Department of Electronics & Communication Engineering

### Lab I.A.Time Table-2022-23(Even)

Sem.	Date	Time	Name of the Lab	Lab Code	Batch
IV Lab IA (IPCC)	16/09/2023	9.00 AM to 12.00 PM	Circuits & Controls Laboratory	21EC43	B1(01-17)
	16/09/2023	11.30 PM to 2.30 PM	Circuits & Controls Laboratory	21EC43	B2(18-34)
	18/09/2023	9.30 AM to 12.30 PM	Circuits & Controls Laboratory	21EC43	B3(35-51)
	18/09/2023	1.30 PM to 4.30 PM	Circuits & Controls Laboratory	21EC43	B4(52-67)
	16/09/2023	9.00 AM to 12.00 PM	DSP Laboratory	21EC42	B3(35-51)
	16/09/2023	11.30 PM to 2.30 PM	DSP Laboratory	21EC42	B4(52-67)
	18/09/2023	9.30 AM to 12.30 PM	DSP Laboratory	21EC42	B1(01-17)
	18/09/2023	1.30 PM to 4.30 PM	DSP Laboratory	21EC42	B2(18-34)
IV Lab IA – II (PCC)	20/09/2023	9.30 AM to 12.30 PM	Communication Laboratory I	21ECL46	B1(01-17)
	20/09/2023	1.30 PM to 4.30 PM	Communication Laboratory I	21ECL46	B2(18-34)
	22/09/2023	9.30 AM to 12.30 PM	Communication Laboratory I	21ECL46	B3(35-51)
	22/09/2023	1.30 PM to 4.30 PM	Communication Laboratory I	21ECL46	B4(52-67)
	20/09/2023	9.30 AM to 12.30 PM	Embedded C Basics (AEC)	21EC481	B3(35-51)
	20/09/2023	1.30 PM to 4.30 PM	Embedded C Basics (AEC)	21EC481	B4(52-67)
	22/09/2023	9.30 AM to 12.30 PM	Embedded C Basics (AEC)	21EC481	B1(01-17)
	22/09/2023	1.30 PM to 4.30 PM	Embedded C Basics (AEC)	21EC481	B2(18-34)

  
IA Coordinator

  
Electronics & Communication Engg.  
Hirasugar Institute of Technology,  
Nidasoshi-591 236

  
**PRINCIPAL**  
Hirasugar Institute of Technology  
NIDASOSHI-591236



## STUDENTS' MENTORING / COUNSELING SHEET

Sem. IV EC

[illegible]

HOD

PRINCIPAL



( ATTENDANCE AND TERM WORK EVALUATION )

1. Marks for conduction : 30/10 Marks
2. Test / Oral : 10 Marks

Verified  
and 18/07/23

PRINCIPAL



(ATTENDANCE AND TERM WORK EVALUATION)

[illegible]

1. Marks for conduction : 30/10 Marks → 24 marks  
2. Test / Oral : 10 Marks → 16 marks

  
Faculty

  
HOD

  
**PRINCIPAL**

## CONTINUOUS ASSESSMENT FOR LABORATORY EXPERIMENTS

( ATTENDANCE AND TERM WORK EVALUATION )

Sem.: VI			Course: Digital Signal processing lab													Code: B218EEL67 Batch: B2																			
Roll No.	Student Name	USN	I- Attendance Records													II- Marks for conduction out of 100																Marks for heads	Final Marks 40/20	Students Sign.	
																Experiment No.																			
			1	2	3	4	5	6	7	8	9	10	11	12	13	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	I	II		
11	Shivlingappa Teli	JHNJEE011	1	A	2	3	4	5	6	7	8	9	10	11		22	22	22	21	21	21	22	22	22	22	21	23					22	09	31	
12	Suraj Drakhe	012	1	2	3	4	5	6	7	8	9	10	11	12		24	22	23	22	22	21	21	21	23	21	21	23					22	10	32	SSD
13	Jelawar Behman Jhai	013	1	2	3	4	5	6	7	8	9	10	11	12		23	22	22	22	22	22	21	21	23	21	21	21					22	15	37	Behan
14	Nijay Kumar Patil	014	1	2	3	4	5	A	6	7	8	9	10	11		24	22	22	22	21	23	23	23	22	22	22	22					23	12	35	
15	Akash Inkar	JHNJEE400	1	2	3	4	5	6	7	8	9	10	11	12		23	23	22	22	23	22	21	22	22	23	23	22					23	15	38	AK
16	Ching. Chongak	401	1	2	3	4	5	A	6	7	8	9	10	11		22	22	22	22	20	21	21	20	23	21	21	20					22	12	34	
17	Shivchandra Daldamani	402	-	-	-	-	-	-	-	-	-	-	-	-																	AB	-	-		
18	Vaibhav. Ingale	403	1	2	3	4	5	6	7	8	9	10	11	12		24	22	21	22	23	23	21	22	23	21	21	21					22	08	30	VB
109	Nallappa. R. Galande	404	A	1	2	3	4	5	6	7	8	9	10	11		22	22	22	22	23	22	22	21	22	23	22	22					23	10	33	

1. Marks for conduction : ~~30/10~~ Marks → 24 marks  
2. Test / Oral : ~~10~~ Marks → 16 marks

  
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ECE. Dept

Academic

IA Central  
Counselling

2022-23(Even Sem)

Date: 11/12/2023

**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) and as per the schedule given below.

Class: VII-Sem.

Date of Counseling: 13/12/2023

Time: 4.00 pm

USN	Signature	USN	Signature
2HN20EC003		2HN20EC005	
2HN20EC015		2HN20EC016	
2HN20EC027			

  
Central Counseling Coordinator

  
**HOD**  
Electronics & Communication Engg.  
Hirasugar Institute of Technology,  
Nidasoshi-591 236



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**Programmes Accredited by NBA: CSE & ECE**

ECE Dept.

Academics

Central Counselling

2023-24(Odd Sem)

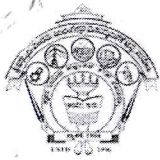
**Class: VII SEM**

	USN	Name of the Student	CN	VLSI	RTS	MMC	Energy Engg
			Marks	Marks	Marks	Marks	Marks
1	2HN20EC003	ADARSH SAJJAN KAMMAR	4	AB	13	14	AB
2	2HN20EC005	AKASH RAMESH BUSARI	AB	2	11	29	AB
3	2HN20EC015	MAHANTESH SHANKAR POL	21	AB	19	15	18
4	2HN20EC016	MOHAMMAD YOUSF B HUKKERI	AB	AB	AB	AB	AB
5	2HN20EC027	ROHAN K CHILAMI	AB	AB	43	AB	AB

  
Staff Incharge  
HOD**HOD**Electronics & Communication Engg.  
Hirasugar Institute of Technology,  
Nidasoshi-591 236







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**Mech. Engg. Dept.****Mentoring & Counselling****Mentors & Mentees List****AY:2022-23**

Ref: HSIT/MED/Mentor/2022-23/85

Date: 24/02/2023

**Mentor & Mentee List for the AY: 2022-23**

(Ref: HOD Meeting-30 No.:ME/AY 2022-23/HOD/Meeting-Proceeding/30, Dated: 04/02/2023)

Mentor: Dr.S.N.Topannavar			Mobile No.:9482440235		E-mail: sntopannavar.mech@hsit.ac.in		
S.No.	M.No.	Mentee	USN	Year of Study	Mobile No/s	E-mail	Native Place
1	18ME001	AAYESHA M SAYYAD	2HN18ME001	IV	9535669275	ayeshasayyad02@gmail.com	Gokak
2	20ME405	SATIGOUDA B PATIL	2HN20ME405	IV	9611633573	satigoudapatil39@gmail.com	Savalagi
3	20ME402	RAJKUMAR KHOT	2HN20ME402	IV	7618702354	rajuskhotnds@gmail.com	Nidasoshi
4	20ME406	SOURABHA S SHINDE	2HN20ME406	IV	9663856168	sourabhshinde2936@gmail.com	Sankeshwar
5	20ME400	ADITYA SURESH PATIL	2HN20ME400	IV	9741895263	adityapatil5625@gmail.com	Sankeshwar
6	20ME408	VIRUPAXAYYA MATHAD	2HN20ME408	IV	9113026045	virupaxayyasmathad2000@gmail.com	Ammanagi
7	21ME409	SHIVAPRABHU PATROT	2HN21ME409	III	7760183609	Shivupatrot8808@gmail.com	Hulkoti
8	22ME419	RAHUL B KANADE#	2HN22ME419	II	8549057975	rahulkanade1998@gmail.com	Kamatnur
9	22ME429	SANGAMESH HOLEYACHI#	2HN22ME429	II	9108342859	sangameshholeyachi@gmail.com	Akkatangerhal

Copy to Mentor:

Dr.S.N.Topannavar

**HOD**  
**Mechanical Engg.**  
**HIT, Nidasoshi**



Nidasoshi, Tal. Belgaum, Dist. Belgaum, Karnataka - 591 236

Phone:+91-8333-278887

Fax:278886,

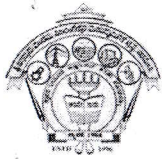
Web: www.hsit.ac.in

E-Mail: principal@hsit.ac.in

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**PRINCIPAL**  
**Hirasugar Institute of Technology**  
**NIDASOSHI-591236**





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Mech. Engg. Dept.

Mentoring &amp; Counselling

Mentors &amp; Mentees List

AY:2022-23

Ref: HSIT/MED/Mentor/2022-23/

Date: 24/02/2023

**Mentor & Mentee List for the AY: 2022-23**

(Ref: HOD Meeting-30 No.:ME/AY 2022-23/HOD/Meeting-Proceeding/30, Dated: 04/02/2023)

Mentor: Dr. K. M. Akkoli		Mobile No.: 9739114856			E-mail: kmakkoli.mech@hsit.ac.in		
S.No	M.No.	Mentee	USN	Year of Study	Mobile No/s	E-mail	Native Place
1	20ME001	AKASH RAJU PATIL	2HN20ME001	III	8970358852/62	arp8970@gmail.com	Manganoor
2	20ME002	BASAVARAJ G KAMBAR	2HN20ME002	III	9945063960	pragwalkambar805@gmail.com	Yarnal
3	20ME003	GONDHALI ATHARV SHANKAR	2HN20ME003	III	7498194119	atharvgondhali956@gmail.com	Sangali
4	20ME004	KAUSHIK SHIVAKALE	2HN20ME004	III	8762936555	kgshivkale@gmail.com	Raibag
5	20ME005	PRAMOD B AMMANAGI	2HN20ME005	III	8904703863	pramodammanagi7@gmail.com	Savalagi
6	20ME006	SANGAMESH K SURAPPAGOL	2HN20ME006	III	9902826925	sangameshsurappagol@gamil.com	Kalaburagi
7	20ME007	YOGESH R DHANWADE	2HN20ME007	III	9663276591	yogeshdhanwade18@gmail.com	Ingali
8	22ME405	BASAVARAJ BALEKUNDRI#	2HN22ME405	II	6360177645	bassumbalekundri@gmail.com	Belagavi
9	22ME425	SACHIN B KAROSHI#	2HN22ME425	II	9071401964	sachinekaroshi555@gmail.com	Nidasoshi
10	22ME432	SHIVASHANKAR SANKANNAVAR	2HN22ME432	II	7353153484	azshivashankar@gmail.com	Borgal

Dr.S.N. Lopannavar

HOD

**Mechanical Engg.  
HIT, Nidasoshi**

Copy to Mentor:



Nidasoshi, Tal: Hunkeri, Dist: Belgaum, Karnataka - 591 236

Phone:+91-8333-278887

Fax:278886,

Web: www.hsit.ac.in

E-Mail: principal@hsit.ac.in

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Principal  
Hirasugar Institute of Technology  
NIDASOSHI-591236

S. J. P. N. TRUST's  
HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI

MENTORSHIP / ACADEMIC COUNSELLING

Department of:

Electronics And Communication

Name of the Student:

Rutuja Shetti



Name of Parent/Guardian:

Prakash Shetti

Year of Admission:

2019

USN	2	H	N	I	g	E	C	O	I	g
-----	---	---	---	---	---	---	---	---	---	---

Permanent Address:

Jalalpur Road, dargai galli, Raibag.

Tq - Raibag. Dist:- Belagavi

Present Address:

Phone:

8296015858

Mobile:

Email: rikhashetti108@gmail.com

Student Mobile :

8431728625

Student mail: rutujashetti12@gmail.com

Name of the Faculty Advisor / Mentor:



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HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI

**Educational History:**

Exam	Year of Passing	Percentage of marks	Institute Name & Place	CET Rank
S.S.L.C	2017	84	Shri Mahaveer Res Eng Med school, Raibag	
PUC/Diploma	2019	71.16	KLE's Malagouda Patil PU College, Raibag	88424

**Achievements:**

	Educational	Sports	Co-curricular/ Extra curricular
S.S.L.C			
PUC/Diploma			

**Family Details:**

Person	Name	Occupation	Mobile	Email
Father	Prakash Shetti	Engineer (Electrical)	8050440686	
Mother	Rikha Shetti	Homemaker	8296015858	
Guardian				
No of Brothers: Elder: 1			Younger:	
No of Sisters: 1 Elder: Vidya Shetti			Younger:	

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**Physical / Health Statistics:**

Height (cm):		Weight(Kg):		Blood Group:	B +ve
Allergic to: —					
Suffering from any disease/ailment: —					
Undergone any surgery: —					
Addicted to: —					
Identification Marks: —					

**Future Aims & Goals:**

1. Interested in Competitive Exams: GATE / CAT/CMAT/GRE/TOEFL/IES/IAS / IPS / IFS / KAS / KES / Public Sector etc.
2. Interested in Higher Education: M.E./ M.Tech / MBA / MS
3. Interested in Entrepreneurship (Area / Line of activity):
4. Interested in acquiring training on additional skills (Name of Skill) : Communication Skills & Technical Skills.

**Co-curricular Interests :**

Technical Quiz / Technical Debate / Essay Writing / Industrial Visits / Industrial Training / Technical Paper Presentation / Project Exhibitions etc:

**Sports Interests :**

Cricket / Football / Volleyball / Swimming / Table Tennis / Chess / Caron / Athletics / Yoga/Any other

**Extra Curricular Interests / Hobbies :**

Singing / Dancing / Acting / Mimicry / Light Vocal Music / Musical Instruments / Philately / Numismatics etc.



S. J. P. N. TRUST's  
HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI  
**SEMESTER WISE ACADEMIC PERFORMANCE AND OBSERVATION REPORT**

Roll No.:	19	Div:	C	Cycle :	C	SEM :	1 <sup>st</sup>	1	
Sub .Abbr.	MAT	CHE	LPS	ELN	EME	EQH	CHEL	CPL	Observations/Suggestions
Sub Code -	18MAT11	18CHE12	18CPS13	18ELN14	18EME15	18EQH16	18CHEL16	18CPL17	Practice more maths problem & improve the marks in next IA
IA - I	10	26	23	30	22				
IA - II	23	29	14	30	21				Solve cps problems more
IA - III	24	28	19	29	29				
Avg. IA	29	38	29	30	34		40	38	
Credits									
Grade Letter	B	B	C	B	C	B	A	S	
Grade Point	8	8	7	8	7	8	9	10	
Credit Point	4	4	3	3	3	1	1	1	
End Sem. Results	Semeter Credit	Total Credit				S.G.P.A 7.85			

Achievements:


MENTOR

HOD

Principal



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HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI


**SEMESTER WISE ACADEMIC PERFORMANCE AND OBSERVATION REPORT**

Roll No.:	19	Div:	C	Cycle:	P	SEM: 2nd				II	
Sub .Abbr.		MAT	PHY	ELE	LIV	EGD	ENG	PHYL	GLE	Observations/Suggestions	
Sub Code -		18MAT21	18PHY22	18ELE23	18LIV24	18EGD25	18ENG26				
IA - I		30	30	30	30	15	28			Improve Graphics	
IA - II		30	30	25	30	15	30				
IA - III		30	30	29	30	16	19	40	40	Overall Good performance	
Avg. IA											
Credits											
Grade Letter		A	A	A	A	A	A	A	A		
Grade Point		9	9	9	9	9	9	9	9		
Credit Point		4	4	3	3	3	1	1	1		
End Sem. Results	Semeter Credit						Total Credit	S.G.P.A 9.0			

Achievements:


  
MENTOR

  
HOD

  
Principal



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HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI  
**SEMESTER WISE ACADEMIC PERFORMANCE AND OBSERVATION REPORT**

Roll No.:	19	Div:		Cycle :	0	SEM :	3 <sup>rd</sup>	III	
Sub .Abbr.	MAT	NT	ED	DSD	CO&A	PE&I	EC&BT	EC&L38	
Sub Code -	18MAT31	18EL32	18EL33	18EL34	18EL35	18EL36			
IA - I	30	30	28	27	30	30			
IA - II	30	30	27	24	30	29			
IA - III	30	28	25	30	30	30			
Avg. IA	40	39	31	37	40	40	40	39	
Credits								86	
Grade Letter	B	C	C	C	B	B	B	B	
Grade Point	8	7	7	7	8	8	10	10	
Credit Point	3	4	3	3	3	3	2	2	
End Sem. Results	Semeter Credit					Total Credit	S.G.P.A 7.96		

Good performance

Achievements:


ssk  
MENTOR

lax  
HOD

ssk  
Principal



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HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI

**SEMESTER WISE ACADEMIC PERFORMANCE AND OBSERVATION REPORT**

Roll No.:	108	Div:		Cycle :		SEM : 4 <sup>th</sup>	IV		
Sub .Abbr.	CAPSM	AC	CS	ESQA	SSS	ML	MLL	ALL	Observations/Suggestions
Sub Code -	BMAT1	BECA2	EC43	FC44	FC45	EC46	PC47	PC48	FC49
IA - I	50	49	49	47	50	38			Good performance
IA - II	50	49	50	50	49	44			
IA - III	50	49	50	50	50	48			
Avg. IA	50	50	50	50	50	47	45	48	
Credits									
Grade Letter	A	A	A	A	A	A	B	A	A
Grade Point	9	9	9	9	9	9	8	9	9
Credit Point	3	4	3	3	3	3	2	2	1
End Sem. Results	Semeter Credit				Total Credit				S.G.P.A 8.91

Achievements:


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EEE

Open Elective

2022-23  
(Odd Sem)**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGG.**Class: 6<sup>th</sup> Sem

Date: 13/02/2023

**List of Open Electives Opted**

Sl. No.	Name of the Student	USN	Open Elective Opted
1	Abhinandan Doddannavar	2HN20EE001	Non - Conventional Energy Sources (18ME651)
2	Aditya Raju Chougale	2HN20EE002	Non - Conventional Energy Sources (18ME651)
3	Akash Bhairapp Amate	2HN20EE003	Non - Conventional Energy Sources (18ME651)
4	Anilagouda I Patil	2HN20EE004	Non - Conventional Energy Sources (18ME651)
5	Arali Yugal Anil	2HN20EE005	Programming in JAVA (18CS653)
6	Jyoti R Benawadi	2HN20EE007	Non - Conventional Energy Sources (18ME651)
7	Kuber B Padanad	2HN20EE008	Non - Conventional Energy Sources (18ME651)
8	Malakarissidda Pandit Metri	2HN20EE009	Non - Conventional Energy Sources (18ME651)
9	Nakshatra B Magadum	2HN20EE011	Non - Conventional Energy Sources (18ME651)
10	Pravin M Naik	2HN20EE012	Non - Conventional Energy Sources (18ME651)
11	Rashmi J Malagoudanavar	2HN20EE013	Non - Conventional Energy Sources (18ME651)
12	Saniya Ashrafali Choudari	2HN20EE014	Non - Conventional Energy Sources (18ME651)
13	Siddu Mahadevappa Kalli	2HN20EE015	Non - Conventional Energy Sources (18ME651)
14	Simaran S Attar	2HN20EE016	Non - Conventional Energy Sources (18ME651)
15	Swapnil Mali	2HN20EE017	Non - Conventional Energy Sources (18ME651)
16	Swati Basagouda Padipatil	2HN20EE018	Non - Conventional Energy Sources (18ME651)
17	Anant Dadannavar	2HN21EE400	Non - Conventional Energy Sources (18ME651)
18	Manikanth G Kadakol	2HN21EE401	Non - Conventional Energy Sources (18ME651)

13.2.23

HOD

**Dr. B. V. Madlgond**

Prof. &amp; Head BE, ME, Ph.D.

Dept. of Electrical & Electronics Engg.  
HIT NIDASOSHI-591 236

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI**  
**B.E. in Electronics and Communication Engineering (ECE)**  
**Scheme of Teaching and Examinations 2021**  
**Outcome-Based Education (OBE) and Choice Based Credit System (CBCS)**  
**(Effective from the academic year 2021 - 22)**

**IV SEMESTER**

Sl. No	Course and Course Code	Course Title	Teaching Department (TD) and Question Paper Setting Board (PSB)	Teaching Hours /Week				Examination				Credits
				Theory Lecture	Tutorial	Practical/ Drawing	Self-Study	Duration in hours	CIE Marks	SEE Marks	Total Marks	
				L	T	P	S					
1	BSC 21EC41	Maths for Communication Engineers	TD, PSB-Maths					03	50	50	100	3
2	IPCC 21EC42	Digital Signal Processing	TD: ECE PSB: ECE	3	0	2		03	50	50	100	4
3	IPCC 21EC43	Circuits & Controls	TD: ECE PSB: ECE	3	0	2		03	50	50	100	4
4	PCC 21EC44	Communication Theory	TD: ECE PSB: ECE	3	0	0	1	03	50	50	100	3
5	AEC 21BE45	Biology For Engineers	BT, CHE, PHY	2	0	0		02	50	50	100	2
6	PCC 21ECL46	Communication Laboratory I	TD: ECE PSB: ECE	0	0	2		03	50	50	100	1
7	HSMC 21KSK37/47	Samskrutika Kannada	HSMC	1	0	0		01	50	50	100	1
	HSMC 21KBK37/47	Balake Kannada										
	OR											
	HSMC 21CIP37/47	Constitution of India & Professional Ethics										
8	AEC 21EC48X	Ability Enhancement Course- IV	TD and PSB: Concerned department	If offered as theory Course				01	50	50	100	1
				1	0	0						
				If offered as lab. course				02				
				0	0	2						
9	UHV 21UH49	Universal Human Values	Any Department	1	0	0		01	50	50	100	1
10	INT 21INT49	Inter/Intra Institutional Internship	Evaluation By the appropriate authorities	Completed during the intervening period ofII and III semesters by students admitted to first year of BE./B.Tech and during the intervening period of III and IV semesters by Lateral entry students admitted to III semester.				3	100	--	100	2
Total								550	450	1000	22	

**Course prescribed to lateral entry Diploma holders admitted to III semester of Engineering programs**

1	NCMC 21MATDIP41	Additional Mathematics - II	Maths	02	02	--	--	--	100	--	100	0
<b>Note:</b> BSC: Basic Science Course, IPCC: Integrated Professional Core Course, PCC: Professional Core Course, AEC –Ability Enhancement Courses, HSMC: Humanity and Social Science and Management Courses, UHV- Universal Human Value Courses. L –Lecture, T – Tutorial, P- Practical/ Drawing, S – Self Study Component, CIE: Continuous Internal Evaluation, SEE: Semester End Examination. 21KSK37/47 Samskrutika Kannada is for students who speak, read and write Kannada and 21KBK37/47 Balake Kannada is for non-Kannada speaking, reading, and writing students. <b>Integrated Professional Core Course (IPCC):</b> Refers to Professional Theory Core Course Integrated with Practicals of the same course. Credit for IPCC can be 04 and its Teaching – Learning hours (L : T : P) can be considered as (3 : 0 : 2) or (2 : 2 : 2). The theory part of the IPCC shall be evaluated both by CIE and SEE. The practical part shall be evaluated by only CIE (no SEE). However, questions from practical part of IPCC shall be included in the SEE question paper. For more details the regulation governing the Degree of Bachelor of Engineering /Technology (BE/B.Tech.) 2021-22 may be referred. <b>Non – credit mandatory course (NCMC):</b> <b>Additional Mathematics - II:</b> <b>(1)</b> Lateral entry Diploma holders admitted to III semester of B.E./B.Tech., shall attend the classes during the IV semester to complete all the												





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ECE Dept

technical/Non-technical

Activities

**List of Activities organized to strengthen the curriculum**

The institute provides support with all resources to organize activities/events to strengthen the curriculum. The activities include seminars/webinars/guest lectures/invited talks/workshops. The students are encouraged to attend the events. The students will gain knowledge of beyond curriculum content, technical as well as non technical events. The list of events along with number of participants has been provided.

S.No.	Type of Activity (Seminars, Workshops, Training's, Technical Talks, Guest Lecture)	Academic Year	Dept.	No. of students participated
1	Workshop on PCB Designing	2018-19	ECE	41
2	IoT Workshop using NodeMCU	2018-19	ECE	44
3	PLC Programming and Industrial Automation	2018-19	ECE	28
4	IoT Workshop using NodeMCU	2018-19	ECE	44
5	Technical Talk on "Neural Network and Fuzzy logic"	2019-20	ECE	102
6	Workshop on "Design and Simulation of Microstrip Antenna using HFSS simulation tool"	2019-20	ECE	78
7	Guest Lecture on "Power Management in Embedded systems"	2019-20	ECE	50
8	Guest Lecture on "LORA Technology"	2019-20	ECE	53
9	Exploring Pointers in C	2019-20	ECE	57
10	Workshop on Python Programming	2019-20	ECE	41
11	Workshop on PCB Design and Testing	2019-20	ECE	36
12	Webinar on "Professional Communication skills"	2020-21	ECE	200
13	Technical Talk on "Deep Learning & Its Applications"	2021-22	ECE	55
14	Webinar on "project Management and Accounting"	2021-22	ECE	59
15	Expert talk on "Robotics and Automation"	2021-22	ECE	57
16	Workshop on "PCB Design and Testing,	2021-22	ECE	45
17	Workshop on " IOT & Arduino IDE"	2021-22	ECE	29
18	Hands on training on Introduction to Arduino Programming & Tinkercad	2021-22	ECE	21
19	Hands on "Python Tool and Python Programming for Machine Learning"	2021-22	ECE	12
20	Workshop on PCB Design and Testing	2022-23	ECE	60
21	Introduction to Artificial Intelligence	2022-23	ECE	26
22	Basic Arduino Programming	2022-23	ECE	46
23	Recent Trends & Opportunities in VLSI	2022-23	ECE	
24	Management concepts and B-Plan	2022-23	ECE	28
25	STTP on Full Stack Development	2022-23	ECE	45

Staff Incharge



HOD

HOD

Electronics & Communication Engg.  
Hirasugar Institute of Technology,  
Nidasoshi-591 236

Nidasoshi-591 236, Taq: Hukkeri, Dist: Belagavi, Karnataka, India.

Phone: +91-8333-278887, Fax: 278886, Web: [www.hsit.ac.in](http://www.hsit.ac.in), E-mail: [principal@hsit.ac.in](mailto:principal@hsit.ac.in)

Page 1 of 1





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Mech. Engg. Dept.

AIMSS

Activity Report

AY:2022-23

**Activity Report**

Sl. No.	Title of the information	Information in brief																								
1	Identified Gap No/s.	12																								
2	Activity Type	Career Guidance																								
3	Activity/Event Organizer/s or Coordinator/s	Dr. S. N. Topannavar, Professor and HOD, Mechanical Engineering Department, HIT Nidasoshi																								
4	Title of the Activity/Event	Training on <b>“Placement Aptitude Training Programme and Career Counseling”</b>																								
5	Time Date	10.00 AM to 04.00 PM 06-02-2023 to 11 -02-2023																								
6	Venue	Electrical Seminar Hall																								
7	Objectives	<ol style="list-style-type: none"><li>1. Provide career counseling and career development sessions for graduates.</li><li>2. Develop career services programs that will help student in exploring and planning career options.</li><li>3. Educate students on resume building, interview skills, and professionalism.</li><li>4. Conduct career awareness events for students.</li><li>5. Execute outreach programs to promote career services among students.</li></ol>																								
8	Expected Outcomes	<ol style="list-style-type: none"><li>1. High aptitude is associated with strong mental agility, which is crucial in interviews.</li><li>2. Aptitude tests help students assess his/her strengths and weaknesses and help them understand fit for their organization or not.</li><li>3. Choosing a suitable career requires a solid understanding of student's skill areas of aptitude.</li><li>4. An aptitude test helps you understand where student's true potential resides.</li><li>5. Training forms an integral part towards nurturing the overall personal of an aspiring professional.</li></ol>																								
9	Details of Resource Person/s with contact details	Mr. Anand Khanti , Aptitude Trainer, Bangalore																								
10	Finance Management	Expenses incurred by Training and Placement Cell																								
11	No. of participants	Students: Boys : 18 & Girls : Nil																								
12	Mapped POs, Weight-age assigned & %age of attainment: PO (Weight-age)	<table><tr><th>PO mapped</th><th>Weight-age assigned (1/2/3)</th><th>%age of Attainment</th><th>Level of attainment</th></tr><tr><td>PO6</td><td>2</td><td>99.1</td><td>1.982</td></tr><tr><td>PO8</td><td>3</td><td>99.1</td><td>2.973</td></tr><tr><td>PO9</td><td>3</td><td>99.1</td><td>2.973</td></tr><tr><td>PO10</td><td>2</td><td>99.1</td><td>1.982</td></tr><tr><td>PO12</td><td>2</td><td>99.1</td><td>1.982</td></tr></table>	PO mapped	Weight-age assigned (1/2/3)	%age of Attainment	Level of attainment	PO6	2	99.1	1.982	PO8	3	99.1	2.973	PO9	3	99.1	2.973	PO10	2	99.1	1.982	PO12	2	99.1	1.982
PO mapped	Weight-age assigned (1/2/3)	%age of Attainment	Level of attainment																							
PO6	2	99.1	1.982																							
PO8	3	99.1	2.973																							
PO9	3	99.1	2.973																							
PO10	2	99.1	1.982																							
PO12	2	99.1	1.982																							
13	Mapped PSOs, Weight-age assigned & %age of attainment: PSO (Weight-age)	<table><tr><th>PO mapped</th><th>Weight-age assigned (1/2/3)</th><th>%age of Attainment</th><th>Level of attainment</th></tr><tr><td>PSO3</td><td>1</td><td>99.1</td><td>0.991</td></tr></table>	PO mapped	Weight-age assigned (1/2/3)	%age of Attainment	Level of attainment	PSO3	1	99.1	0.991																
PO mapped	Weight-age assigned (1/2/3)	%age of Attainment	Level of attainment																							
PSO3	1	99.1	0.991																							





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Mech. Engg. Dept.

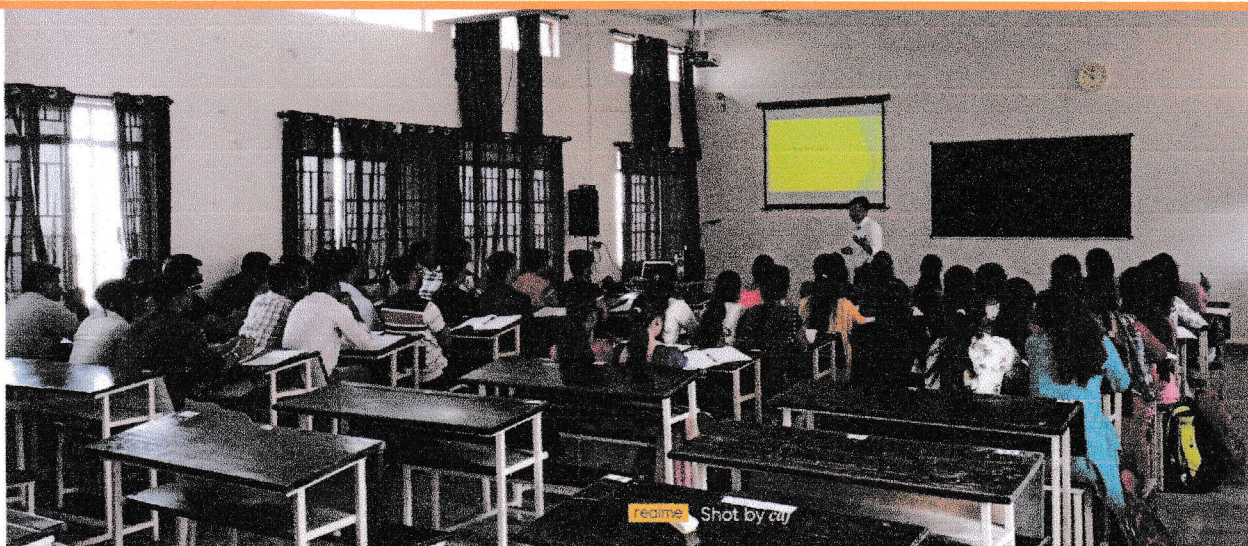
AIMSS

Activity Report

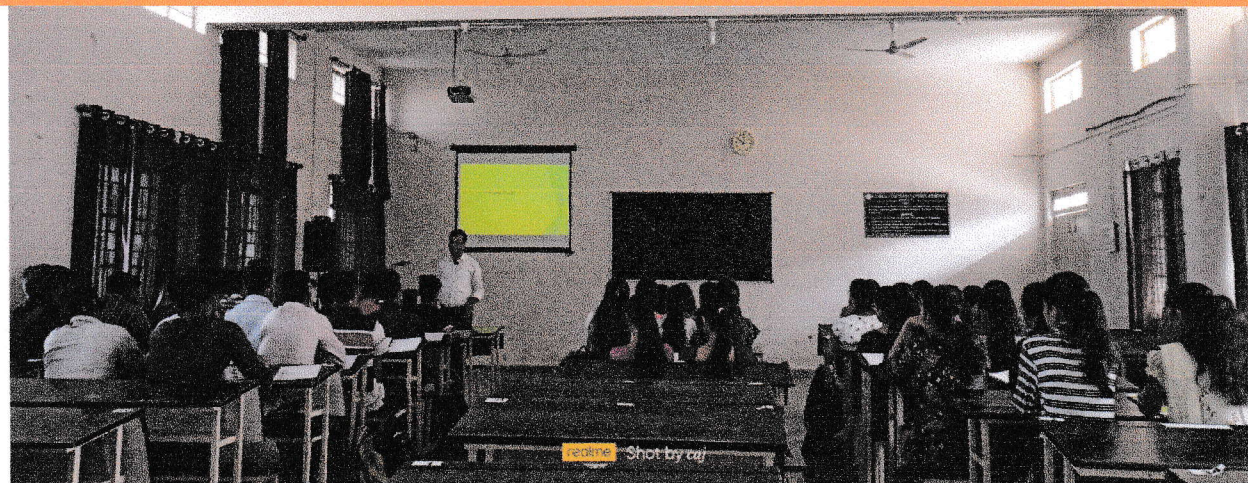
AY:2022-23

14	Outcomes achieved/Impact analysis	<ol style="list-style-type: none"> <li>1. The activity mapped with PO6, PO8, PO9, PO10, and PO12 was found satisfactory with attainment levels of 1.982, 2.973, 2.973, 1.982 and 1.982 against the mapped values during the impact analysis.</li> <li>2. The activity mapped with PSO3 was found satisfactory with attainment levels of 0.991 against the mapped value during the impact analysis.</li> </ol>
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## Photo Gallery



Mr. Anand Khanti, Aptitude Trainer, Bangalore is presenting to the students about placement related Aptitude Skills on the occasion of Training on Placement Aptitude Training Programme and Career Counseling held from 6<sup>th</sup> February 2023 to 11<sup>th</sup> February 2023.



Mr. Anand Khanti, Aptitude Trainer, Bangalore is presenting to the students about placement related Aptitude Skills on the occasion of Training on Placement Aptitude Training Programme and Career Counseling held from 6<sup>th</sup> February 2023 to 11<sup>th</sup> February 2023.


Mr. Kiran S Dhang  
AIMSS Secretary

Dr. M. M. Shivashimpi & Prof.D.N.Inamdar  
AIMSS-Coordinator/s

Dr. S. N. Topannavar


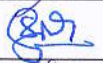

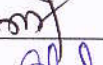
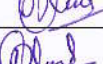
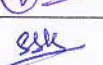
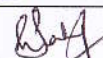

**Mechanical Engg.**  
**HIT, Nidasoshi**




	<p style="text-align: center;">S J P N Trust's Hirasugar Institute of Technology, Nidasoshi. <i>Inculcating Values, Promoting Prosperity</i> Approved by AICTE, New Delhi, Permanently Affiliated to VTU, Belagavi Recognized under 2(f) &amp; 12B of UGC Act, 1956 <b>Accredited at 'A' Grade by NAAC &amp; Programmes Accredited by NBA:CSE &amp; ECE</b></p>												ECE
													Academics
													Feedback
													2022-23 Even Sem

Date: 08-08-2023

## Consolidated Feedback Report-II

SN	Faculty Name	Designation	Subject Name	Sem	Class Strength	Respondent's	Very Poor	Poor	Good	Very Good	Excellent	Percentage (%)	Signature
1	Dr. S. J. Walki	ASST.PROF.	BE(21BE45)	4	67	61	0	9	14	50	476	96.1	
2	Dr. S. S.ITTANNAVAR	ASST.PROF.	DSP(21EC42)	4	67	61	0	0	1	14	534	99.4	
3	Prof. D. M. KUMBHAR	ASST.PROF.	CT(21EC44)	4	67	60	0	0	2	27	511	98.8	
4	Prof. M. S. Futane	ASST.PROF.	CIP(21CIP47)	4	67	61	0	0	8	34	507	98.1	
5	Prof. S. A. PATIL	ASST.PROF.	Ad.Maths (21MATDIP41)	4	67	28	0	0	2	12	238	98.7	
6	Prof. S. A. PATIL	ASST.PROF.	MAT(21MAT41)	4	67	58	0	0	2	20	500	99.0	
7	Prof. S. S. KAMATE	ASST.PROF.	UHV(21UH49)	4	67	61	0	0	2	26	521	98.9	
8	Prof. S. S. MALAJ	ASST.PROF.	C&C(21EC43)	4	67	61	0	1	21	81	446	95.4	



HOD


Electronics & Communication Engg.  
Hirasugar Institute of Technology,  
Nidasoshi-591 236

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PRINCIPAL

Hirasugar Institute of Technology  
NIDASOSHI-591236



	<p style="text-align: center;">S J P N Trust's  <b>Hirasugar Institute of Technology, Nidasoshi.</b>  <i>Inculcating Values, Promoting Prosperity</i>          Approved by AICTE, New Delhi, Permanently Affiliated to VTU, Belagavi          Recognized under 2(f) &amp; 12B of UGC Act, 1956  <b>Accredited at 'A' Grade by NAAC &amp; Programmes Accredited by NBA:CSE &amp;ECE</b></p>											ECE
												Academics
												Feedback
												2022-23 Even Sem

Date: 20-03-2023

## Consolidated Feedback Report - I

SN	FacultyName	Designation	Subject Name	Sem	Class Strength	Respondent's	Very Poor	Poor	Good	Very Good	Excellent	Percentage (%)	Signature
1	Prof. B.P.KHOT	ASST. PROF.	NS (18EC821)	8	29	27	9	0	1	29	204	94.4	<i>B.P.KHOT</i>
2	Prof. P.V. PATIL	ASST. PROF.	WCC (18EC81)	8	29	27	9	0	2	48	184	92.7	<i>P.P.PATIL</i>

*Prof. P.V. Patil*  
20.03.23


**HOD**

Electronics & Communication Engg.  
 Hirasugar Institute of Technology,  
 Nidasoshi-591 236

*Principal*  
29/03

**PRINCIPAL**


Hirasugar Institute of Technology  
 NIDASOSHI-591236


	S J P N Trust's		Mech Engg. Dept.
	<b>Hirasugar Institute of Technology, Nidasoshi.</b>		Academics
	<i>Inculcating Values, Promoting Prosperity</i>		Remedial Class
	Approved by AICTE, Recognized by Govt. of Karnataka, Affiliated to VTU Belagavi Accredited at 'A' Grade by NAAC and Recognized Under Section 2(f) of UGC Act, 1956		AY: 2022-23

Date: 27/01/2023

## CIRCULAR

All the 5<sup>th</sup> semester students are informed to attend the remedial classes of design of Machine Elements-I and Dynamics of Machines on 30<sup>th</sup> and 31<sup>st</sup> January 2023 and take the benefit of these classes.

  
Prof. S. A. Goudadi  
Dynamics of Machines  
Course Coordinator

  
Prof. D. N. Inamdar  
Design of Machine Elements-I  
Course Coordinator



Hirasugar Institute of Technology, Nidasoshi.

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Mech Engg. Dept.

## Academics

Remedial Class

AY: 2022-23

## Remedial Class

**Subject: Dynamics of Machines**

**Total number of class Engaged: 08**

Subject Code: 18ME53

[illegible]

Gulmi

Prof. S. A. Goudadi  
Course coordinator

17/02/23

Dr. S. N. Topannavar  
HOD

**Mechanical Engg.**  
HIT, Nidasoshi





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Mech Engg. Dept.

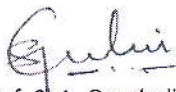
Academics

Remedial Class

AY: 2022-23

**Remedial Class****Subject: Dynamics of Machines****Subject Code: 18ME53****Topics Covered:** 1. Balancing of Rotating & Reciprocating Masses  
2. Governors  
3. Undamped, Damped & Forced vibrations

Roll No.	Name	VTU No.	30/01/23	30/01/23	30/01/23	30/01/23	31/01/23	31/01/23	31/01/23	31/01/23
1	AKASH RAJU PATIL	2HN20ME001	AB	AB	AB	AB	AB	AB	AB	AB
2	BASAVARAJ G KAMBAR	2HN20ME002	AB	AB	AB	AB	AB	AB	AB	AB
3	GONDHALI A SHANKAR	2HN20ME003	AB	AB	AB	AB	AB	AB	AB	AB
4	KAUSHIK SHIVAKALE	2HN20ME004	AB	AB	AB	AB	AB	AB	AB	AB
5	PRAMOD B AMMANAGI	2HN20ME005	AB	AB	AB	AB	AB	AB	AB	AB
6	SANGAMESH K SURAPPAGOL	2HN20ME006	AB	AB	AB	AB	AB	AB	AB	AB
7	YOGESH R DHANWADE	2HN20ME007	AB	AB	AB	AB	AB	AB	AB	AB
8	ABDULRAHIM B KAZI	2HN21ME400								
9	AKASH ASHOK BADIGER	2HN21ME401	AB	AB	AB	AB	AB	AB	AB	AB
10	AKASH P MADIHALLI	2HN21ME402	AB	AB	AB	AB	AB	AB	AB	AB
11	AKSHAY M CHABBI	2HN21ME403	AB	AB	AB	AB	AB	AB	AB	AB
12	MALIKJAN MUJAWAR	2HN21ME404	AB	AB	AB	AB	AB	AB	AB	AB
13	NITISH RAVINDRA BANI	2HN21ME405	AB	AB	AB	AB	AB	AB	AB	AB
14	RAHUL D MANGASULI	2HN21ME406	AB	AB	AB	AB	AB	AB	AB	AB
15	RAHUL M NANDESHWAR	2HN21ME407	AB	AB	AB	AB	AB	AB	AB	AB
16	SACHIN S PUJERI	2HN21ME408	AB	AB	AB	AB	AB	AB	AB	AB
17	SHIVAPRABHU PATROT	2HN21ME409	AB	AB	AB	AB	AB	AB	AB	AB
18	SHIVARAJ B NEELAKANTH	2HN21ME410								
19	SHRINATH G SOOJI	2HN21ME411	AB	AB	AB	AB	AB	AB	AB	AB
20	YASH RAMESH MANE	2HN21ME412	AB	AB	AB	AB	AB	AB	AB	AB
21	OMKAR PATIL	2HN21ME413	AB	AB	AB	AB	AB	AB	AB	AB

  
Prof. S. A. Goudadi  
Course Coordinator

  
HOD  
Mechanical Engg.  
HIT, Nidasoshi



16 September 2023

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify **Abhishek Bollarappu**, bearing USN No: **2HN20CS002** from **Hirasugar Institute of Technology, Nidshoshi** has successfully completed one-month internship starting from **16 August 2023** to **16 September 2023**, under the mentorship of DLithe's development team. **Abhishek Bollarappu** has worked on Cybersecurity domain, performed Password Cracking, exploiting using Metasploit, Network Scanning, SQL injection and Bug Bounty Concepts.

The domain & agile development process exposure was given along with usage of GitHub tool.

During the internship, **Abhishek Bollarappu** demonstrated good coding skills with good design thoughts.

We wish all the best for future endeavours!

*R@un*



For Dlithe Consultancy Services Pvt Ltd  
Director

Certificate ID: *DLCS2HN20CS002SEPT23*

Ref. No.: HSIT/NDS/HOD-Meeting-22/2022-23


Date: 28.08.2023

## NOTICE

A meeting of all HODs is convened on 28.08.2023 in the office of the Principal at 3.30 pm. The agenda of the meeting are as below:

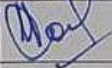
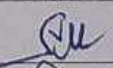




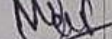
### Agenda:

1. Review of weekly attendance & syllabus coverage of IV Sem. (week No.12), II Sem.(week No.13)
2. Review of VTU Circular on vertical progression dated 21-08-2023.
3. Attending VTU PitchFest-2023.
4. Review of DCET-2023 coaching classes progress.
5. Any other matter with the permission of the chair.

  
 (Dr. S.N. Topannavar)  
 IQAC Coordinator

S.N.	Minutes of Meeting	Staff In charge	Due Date	Remarks
1.	The average syllabus coverage/attendance of IV & II Sem. is 91/80% & 93/80% respectively.	All HODs	26.08.2023	
2.	VTU Circular dated 21-08-2023 on Vertical Progression was discussed and communicated to all the concerned for proper implementation.	All HODs & SBC	--	
3.	Concerned project guide along with two students shall attend VTU PitchFest-2023 scheduled on 9 <sup>th</sup> & 10 <sup>th</sup> of Sept-2023.	All HODs		
4.	63 Diploma students from different surrounding Polytechnics are attending DCET-2023 coaching classes.	All HODs		
5.	The meeting concluded with vote of thanks to chair.			

### Members Present:

Name	Design.	Sign.	Name	Dept.	Sign.
Dr. S.N. Topannavar	HOD-ME		Prof. S.V. Manjaragi	HOD-CS	
Dr. B.V. Madiggond	HOD-EE		Prof. P.R. Patil	HOD-CV	
Dr. S.S. Itannavar	HOD-EC		Dr. K.B. Manawade	I-year coord.	
Dr. Mallikarjun C	Professor				

  
 Dr. S.C. Kamate  
 Principal





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CSE Dept.

STAC

DBMS Mini  
Project Competition

2022-23 (Odd)

### Activity Report

Date and Time	21 <sup>st</sup> January 2023 at 09.30AM
Name of Activity	DBMS Mini Project Exhibition cum Competition
Type of Activity	Technical
Target Audience	5 <sup>th</sup> CSE Students
Number of students participated	59
Activity In-charge	Prof. Aruna A. Daptardar
Jury Members	Prof. D. M. Kumbar, Prof. N. M. Patel

#### About the Activity:

STAC (Students and Teachers Association of Computer Science), Dept. of CSE has organized department level **"DBMS Mini Project Exhibition cum Competition"**, in order to inculcate the problem solving, programming and teamwork skills among the students.

A total of 16 student teams of 5<sup>th</sup> semester have participated in the competition. Two faculty members Prof. D. M. Kumbar from ECE department & Prof. N. M. Patel from CSE department have served as jury members. The teams are ranked based on their presentation skills, idea of choosing the title, implementation logic and finally, top 4 teams were declared as winners.

Sl. No.	Outcomes of the Activity	Relevance to POs/PSOs
1	To implement the solutions for the given problems using Modern tools.	PO5, PSO1
2	To exhibit team work skills.	PO9
3	To exhibit the Communication skills.	PO10
4.	Apply the knowledge of managing the project and its finance.	PO11

#### Activity Photographs:



Welcoming Jury Members



Address by HOD





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CSE Dept.

STAC

DBMS Mini  
Project Competition

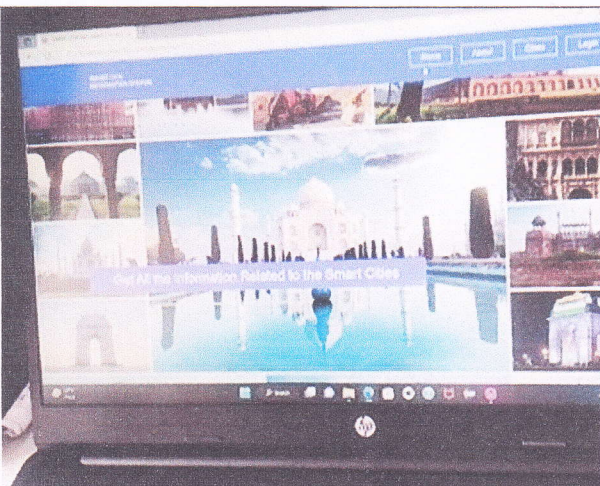
2022-23 (Odd)



Demonstration of Project in front of Jury Members



Demonstration of Project in front of Jury Members



Home Page of Project

S. J. P. N. TRUST'S  
**HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI**  
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**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**DBMS MINI PROJECT EXHIBITION CUM COMPETITION**

NAME OF THE STUDENT	PROJECT TITLE	RANK	
1. CHETAN GHOLABHAVI 2. OMKAR KULKARNI 3. PRANAV KOSHTI 4. SIDDAPPA GODI	HOSPITAL MANAGEMENT SYSTEM	I	
1. MANIKANTH DRAXE 2. SUSHIL PATIL 3. SACHIN BADGIER 4. SURAJ PATIL	DAIRY MILK COLLECTION AND BILLING SYSTEM		
1. ARATI CHOUBAJ 2. SHWETA KOLI 3. SHEHA PATIL 4. SANA HOSAKITTYI	LAUNDRY MANAGEMENT SYSTEM		II
1. VISHAL PATIL 2. RITESH DESHPANDE 3. SANKARSHIN SAGHWADI	BANK MANAGEMENT SYSTEM		III
1. OMKAR PATIL 2. PRAMOD PATIL 3. PRANAV SAEKAR	EMPLOYEE MANAGEMENT SYSTEM	CONSOLATION PRIZE	

**Hearty Congratulations to All the Winners!!!!!!**  
From: HOD, Staff & Students

Winners List

*Aptardar*  
23/01/23  
Prof. Aruna A. Daptardar  
Activity Coordinator

*Manjaragi*  
23/01/23  
Prof. S. V. Manjaragi  
H.O.D  
Computer Science & Engg.  
HIT, Nidasoshi.





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Accredited at 'A' Grade by NAAC & Programmes Accredited by NBA:CSE & ECE.

ECE Dept.

Dept Office

Meeting

2022-23(Even)

Ref. No: HSIT/NDS/ECE/Meeting/2022-23/12

Date: 11/05/2023

## DEPARTMENT MEETING

A meeting of all staff members of ECE Dept. is convened on 11/05/2023 in the office of the Head of Department of Electronics & Communication Engineering at 2:30 p.m. The agenda of the meeting

### To discuss on:

1. Inter/Intra Internship for Lateral Entry Students
2. Formation of ECSA Committee
3. Finalization of VIII semester marks
4. Paper Publications by all the final year project batches
5. Farewell function for 8<sup>th</sup> semester students

*B. P. Khot*  
Smt. B. P. Khot  
Convener

Sl. No.	Minutes of Meeting	Staff In- charge	Due Date															
1	Head of the department discussed regarding Inter/Intra Internship from 17/05/2023 to 03/06/2023 for Lateral Entry Students. Content to be delivered in the Internship program was finalized and asked internship coordinator to prepare the time table for the same	Prof. D. M. Kumbhar Internship Coordinator	15/05/2023															
2	ECSA Committee has been formed in presence of all the faculty members. <table><tr><th>Position</th><th>Name</th><th>Semester</th></tr><tr><td>President</td><td>Vishal R. Haragapure</td><td>VI</td></tr><tr><td>Vice President</td><td>Sammrudhi S Kulkarni</td><td>VI</td></tr><tr><td>Treasurer</td><td>Shruti Joteppa Magadum</td><td>VI</td></tr><tr><td>Vice Treasurer</td><td>Adarsh Sajjan Kammar</td><td>VI</td></tr></table>	Position	Name	Semester	President	Vishal R. Haragapure	VI	Vice President	Sammrudhi S Kulkarni	VI	Treasurer	Shruti Joteppa Magadum	VI	Vice Treasurer	Adarsh Sajjan Kammar	VI	Prof. D. M. Kumbhar ECSA Coordinator	Complete
Position	Name	Semester																
President	Vishal R. Haragapure	VI																
Vice President	Sammrudhi S Kulkarni	VI																
Treasurer	Shruti Joteppa Magadum	VI																
Vice Treasurer	Adarsh Sajjan Kammar	VI																
3	8 <sup>th</sup> semester handling faculty members were asked to finalize the internal assessment marks of 8 <sup>th</sup> semester students.	8 <sup>th</sup> sem. handling faculty members	16/05/2023															
4	It is decided to motivate the 8 <sup>th</sup> semester students to do the Paper Publications on their project topic	8 <sup>th</sup> sem. Project guides	-															
5	It is decided to give the farewell for 8 <sup>th</sup> semester students on 03/06/2023.	Prof. D. M. Kumbhar ECSA Coordinator	03/06/2023															
The meeting concluded with vote of thanks to chair.																		

### Members Present:

SSM	<i>[Signature]</i>	SSK	<i>[Signature]</i>	DMK	<i>[Signature]</i>	DBM	<i>[Signature]</i>	PVP	<i>[Signature]</i>	SSI	<i>[Signature]</i>	BPK	<i>[Signature]</i>
VVG	<i>[Signature]</i>	MAA	<i>[Signature]</i>										

*[Signature]*  
16.05.23  
Dr. R. R. Maggavi  
Head of ECE Department

CC: The Principal, for kind information/Office of the principal

Electronics & Communication Engg.  
Hirasugar Institute of Technology

Date: 03-07-2023

## NOTICE

All the faculty are hereby informed to attend the meeting scheduled on 03<sup>rd</sup> July 2023 at 02:00 PM in HOD cabin.

The agenda of the meeting is as follows;

### AGENDA:

1. Review of last meeting
2. Academic progress; Attendance, portion coverage
3. Student mentoring and counselling
4. Submit student and staff achievement documents to department.
5. Any other with permission of chair.

Prof. P.R.P.

Prof. V.I.P.

Prof. S.V.J.

Prof. S.S.B.

HOD

Department of Civil Engineering  
Mirasgudi Institute of Technology  
Mirasgudi 591236


## MINUTES OF MEETING.

01. The agenda of the previous meeting discussions are completed.
02. Attendance for the VI and IV sem. are discussed and reviewed. Students are advised to attend the class regularly.
03. Academic progress for IV and VI sem. is reviewed.
04. It is decided to counsel the poorly performing students and mentor for academic progress.
05. It is decided to prepare and verify the academic documentation before submitting to department.



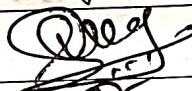
06. It is discussed to submit their achievement records to the department.

The meeting concluded with vote of thanks to the chair.

  
HOD  
Department of Civil Engineering  
Hirasugar Institute of Technology  
Bardasahi 591230


Members present

Prof- P.R.P. 

Prof. V.I.P. 

Prof. S.V.J. 


Prof S.S.B. 

	<p align="center"><b>S J P N Trust's</b>  <b>Hirasugar Institute of Technology, Nidasoshi</b>  <i>Inculcating Values, Promoting Prosperity</i>          Approved by AICTE, Recognized by Govt. of Karnataka and Permanently Affiliated to VTU, Belagavi.  <b>Accredited at 'A' Grade by NAAC</b>  <b>Programmes Accredited by NBA: CSE&amp; ECE</b>  <b>TRAINING AND PLACEMENT CELL</b></p>	<b>TP Cell</b>
		<b>Training</b>
		<b>Training Activities</b>
		<b>2022-23</b>

## Training Activities details for AY: 2022-23

S.N.	Name of the Training	Date of Conduction	By whom	Details
1.	Free Online Certificate Courses in Machine Learning and Artificial Intelligence for computer and IT Engineering Students (4 Weeks Duration)	27/07/2022	YBI Foundation Company	Final Year, Pre-Final & 2 <sup>nd</sup> Year Circuit Branch Students
2.	Session on SAP	26/08/2022	Mr. Sanjay Arali, Tecno Connect Hub, Pune	All 4 <sup>th</sup> & 6 <sup>th</sup> Sem Students
3.	"A Free Webinar on How to get a Placement in Multinational Companies " (3 Days)	26/08/2022 To 28/08/2022	IIT Mumbai Present's	Final Year & Pre-Final Year All Branch Students
4.	Virtual Workshop - (Solving Real – World Industry Problems with Ai Computer Vision)	26/08/2022 at 10.30Am	AI Computer Vision	Final Year & Pre-Final Year All Branch Students
5.	Free- TCS Specific Training for 2023 batch Students (15 Days)	01/08/2022 To 15/08/2022	Seventh Sense Talent Solution	Final Year All Branch Students (2023 Batch)
6.	Free Online Company Specific Training for all Mass Recruiters through Place Sense ( <b>Hexaware Specific Training</b> )	01/09/2022 To 08/09/2022	Seventh Sense Talent Solution	Final Year All Branch (2023 Batch) Students
7.	Free Software Training Courses for Freshers in Manual Testing, Automation Testing, JAVA, DotNet & Python with 10+ Live Industry Projects. ( Course Duration 2 Months online mode per day 1 hour)	21/10/2022 To 07/12/2022	Besant Technologies, Bengaluru	Final Year All Branch Students (2023 Batch)
8.	Pre-Placement Training (90 hrs of CRT along with details of the "Minutes Mentor" program)	17 <sup>th</sup> & 18 <sup>th</sup> October 2022	Mr. Nikhil Vyas Genesis Trainers, Bengaluru	Final Year All Branch (2023 Batch) Students
9.	Orientation Programme Training & Placement Activities for 2023 Batch Students	19/10/2022	Dr. S C Kamate- Principal Prof. N M Patel- Dean Placements Dr. B V Madigond – Dean Academics & HOD EEE Dr. S N Topannavar – HOD ME Prof. S V Manjaragi – HOD CSE	Final Year All Branch (2023 Batch)



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			<b>Training</b>
			<b>Training Activities</b>
			<b>2022-23</b>

10.	A Talk on "Career Prospects"	31/01/2023	Mr. Madhav Gitte, IAS Working as Assistant Commissioner, Chikodi	All Years ,All Branch Students of HSIT, Nidasoshi.
11.	Pre-Placement Training (30 Hours) (Training & Capaity Building Programme-Aptitude)	06/02/2023 To 11/02/2023	Mr. Anand Kanthi, Aptitude Trainer	Final Year All Branch (2023 Batch) CSE : 47 students attended ECE- 26students attended EEE -16 students attended ME -16 students attended



  
**TRAINING & PLACEMENT OFFICER**  
**Hirasugar Institute of Technology**  
**Nidasoshi- 591236, Dt.: Belgaum**



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EEE Dept

IIIC Activity

Industrial Visit


2019-20(ODD)

**Activity Report**


Date of Activity held and Time:	25/10/2019 11am-6pm
Name of Activity:	Industrial Visit
Type of Activity: (cultural/curricular/co-curricular)	Curricular
Industry Name:	PATCO Transformer Industries, Nipani
Year / Class:	Second year, 3 <sup>rd</sup> sem
No. of students:	27
No. of Staff:	01
Activity In charge:	Prof. S. B. Patil

**Description of Activity:**

27 students of 3<sup>rd</sup> sem, Department of EEE, visited PATCO Transformer Industries on 25.10.2019. Design, Manufacturing, repairing, Cooling of power and distribution transformers has been discussed. Prof S B Patil accompanied the students during the visit.

  
HIC Coordinator  
H. O. D.  
Electrical & Electronics Engg  
HOD of Technology.  
NIDASOSHI-691239.



	<p style="text-align: center;"><b>S J P N Trust's</b>  <b>Hirasugar Institute of Technology, Nidasoshi</b>          Approved by AICTE, New Delhi, Permanently Affiliated to VTU, Belagavi          Recognized under 2(f) &amp; 12B of UGC Act, 1956          Accredited at 'A' Grade by NAAC &amp; Programmes Accredited by NBA: CSE &amp; ECE</p>	<b>Institute</b>
		<b>Academics</b>
		<b>Activity List</b>
		<b>2018-19 to 2022-23</b>

### List of Industrial/site visits that have been organized by the institution for curricular Aspects

The institute has provided all the support and facilities for the departments while arranging Industrial /site visits for real time understanding of the content of the curriculum. The students are encouraged to attend and gain the knowledge of obtaining the processes involved in the industry or construction work. The list of industrial visits arranged during the last five years in the institute has been provided.

Sl. No	Name of the place	Department	Date	Academic Year	No of Students	Link to document
1	Industrial visit to Dandeli, Jog falls, signadhur, Murudeshwar, Yaana	Civil	23/03/2023 — 25/03/2023	2022-23	16	<a href="https://hsit.ac.in/dept-doc/CV/updates/Industrial_visit_2022-23.pdf">https://hsit.ac.in/dept-doc/CV/updates/Industrial_visit_2022-23.pdf</a>
2	BSNL, Belagavi	CSE	07/03/2020	2019-20	43	
3	C-DAC, Knowledge Park, Bengaluru	CSE	25/10/2019	2019-20	39	
4	IRTTC BSNL, Mysore	CSE	19/05/2022	2021-22	45	<a href="https://hsit.ac.in/dept-doc/CS/updates/5.Activity%20Report-Industry%20visit%20at%20RTTC%20BSNL%20Mysore.pdf">https://hsit.ac.in/dept-doc/CS/updates/5.Activity%20Report-Industry%20visit%20at%20RTTC%20BSNL%20Mysore.pdf</a>
5	IISC, Bangalore	CSE	04/03/2023	2022-23	44	
6	Electrosal Hi-Tech Pvt Ltd Shripewadi, Industrial Area, Nipani, Karnataka	ECE	02/11/2022	2022-23	38	<a href="https://hsit.ac.in/dept-doc/EC/updates/Industrial%20Visit%20to%20Electrosal.pdf">https://hsit.ac.in/dept-doc/EC/updates/Industrial%20Visit%20to%20Electrosal.pdf</a>
7	Patco Industries Nipani, Belagavi	ECE	02/11/2022	2022-23	38	<a href="https://hsit.ac.in/dept-doc/EC/updates/Industrial%20Visit%20to%20Patco.pdf">https://hsit.ac.in/dept-doc/EC/updates/Industrial%20Visit%20to%20Patco.pdf</a>
8	Doddbeta tea factory & museum ooty	ECE	28/05/2022	2021-22	28	



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**Institute**  
**Academics**  
**Activity List**  
**2018-19**  
**to**  
**2022-23**

9	Kaynes Technology Mysuru	ECE	25/05/2022	2021-22	28	
10	Detap-v automation pvt ltd, Pune	ECE	19/04/2019	2018-19	32	
11	Kaynes Technology Mysuru	ECE	17/04/2019	2018-19	50	
12	Industrial Visit at Rajeev and company manufacturers of ball valve, Devarwadi ,Maharashtra	ME	27-10-2018	2018-19	40	
13	Industrial Visit at JSW Palnt Toarangallu, Bellary	ME	08/03/2019	2018-19	48	
14	Industrial Visit at Shivashakti Sugars Limited Yadravi, Raibag, Karnataka	ME	25/04/2019	2018-19	24	
15	Industrial visit at Supa Dam, Ganeshgudi Hydel Power Plant, Dandeli, Uttara Kannada district, Karnataka	ME	21/09/2019	2019-20	50	
16	Industrial visit at Rajeev and Company, Belagavi	ME	12/11/2019	2019-20	36	
17	Industrial Visit at AEQUS Special Economic Zone, 437/A, Hattargi Village, Hukkeri Taluk, Belagavi, Karnataka.	ME	01/02/2020	2019-20	29	
18	Industrial Visit at Abhishek Alloys Private Limited, Belagavi	ME	13/03/2020	2019-20	55	
19	Industry Visit at Hidkal dam power plant, Hidkal	ME	14/02/2022	2021-22	10	<a href="https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/16-Industry-Visit-at-Hidkal-dam-power-plant-Hidkal.pdf">https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/16-Industry-Visit-at-Hidkal-dam-power-plant-Hidkal.pdf</a>
20	Industry Visit at Sangam Sugar Factory, Hidkal	ME	14/02/2022	2021-22	10	<a href="https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/17-Indlrstrv-Vrsit-at-Sanuam-sugar-Factorv-Hidkal.pdf">https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/17-Indlrstrv-Vrsit-at-Sanuam-sugar-Factorv-Hidkal.pdf</a>
21	Industry Visit at Rajeev & Rao Company, Belagavi	ME	04/06/2022	2021-22	43	<a href="https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/22-Industry-Visit-at-Rajeev-and-Rao-Company-Belagavi.pdf">https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/22-Industry-Visit-at-Rajeev-and-Rao-Company-Belagavi.pdf</a>
22	Industry Visit at Divgi Industries Private Limited, Sirsi	ME	04/06/2022	2021-22	43	<a href="https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/23-Industry-Visit-at-Divgi-Industries-Private-Limited-Sirsi.pdf">https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/23-Industry-Visit-at-Divgi-Industries-Private-Limited-Sirsi.pdf</a>
23	Hiranyakeshi Sahakari Sakkare Karakhane Niyamita, Sankeshwar	EEE	15/04/2019	2018-19	23	





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**Institute**

**Academics**

**Activity List**

**2018-19  
to  
2022-23**

24	Manidam Power house, Mastikatte	EEE	16/04/2019	2018-19	31	
25	Varahi Underground Power House, Hosangadi	EEE	16/04/2019	2018-19	31	
26	PATCO Transformer Industries, Nippani.	EEE	16/04/2019	2018-19	55	
27	3MW Solar Power Plant, Itnal.	EEE	25/10/2019	2019-20	20	
28	PATCO Transformer Industries, Nippani.	EEE	25/10/2019	2019-20	27	
29	Government Tool Room and Training Centre (GTTC), Belgaum.	EEE	03/12/2021	2021-22	30	
30	3MW Solar Power Plant, Itnal.	EEE	30/06/2022	2021-22	37	



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Mechanical Dept

Industrial visit

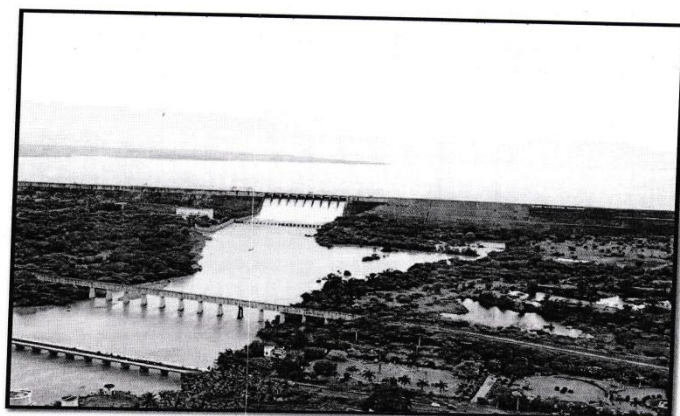
2022-23

### Report on Industrial Visit to Hidakal Dam by Mechanical Dept Students

To understand the energy conversion principle from hydraulic energy to mechanical output shaft energy, new and advanced technologies of power generation, environment and sustainability industry visit was organised for students by mechanical dept on 14th February 2022. Some of the photos of the visit are provided.



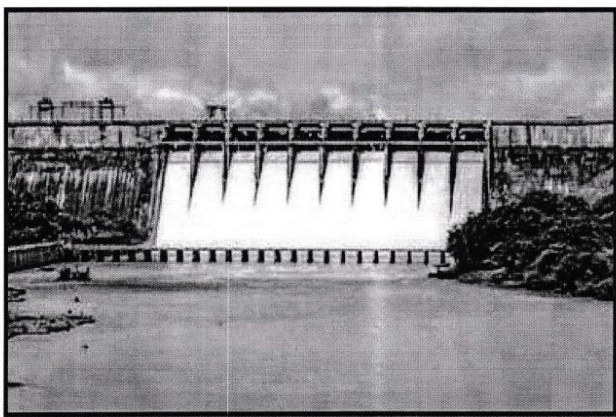
Mr. S. M. Madiwale, AEE, Civil Engineer, Hidakal Dam, Hidakal is delivering about power plant house during industry visit held on 14<sup>th</sup> February 2022.



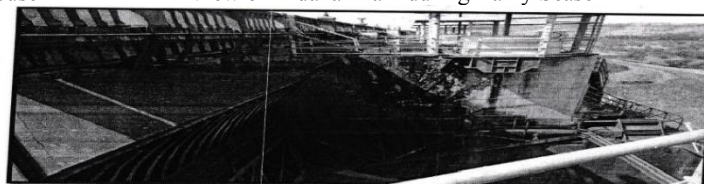
View of Hidakal Dam during Rainy Season



Staff and students are attended industry visit at Hidakal dam power plant, Hidakal held on 14<sup>th</sup> February 2022.



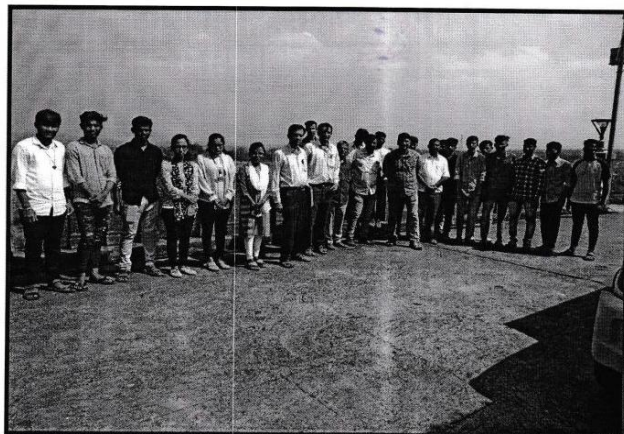
Water flow through radial gate during rainy season



The view of Radial Gate Valve used in Hidakal Dam, Hidakal visited on 14<sup>th</sup> February 2022



The view of Radial Gate Valve used in hidakal dam



Staff and students group photo during industrial visit at Hidakal dam on 14<sup>th</sup> February 2022







ಕರ್ನಾಟಕ ಸರ್ಕಾರ

ಜಿಲ್ಲಾ ಪಂಚಾಯತ್ ಬೆಳಗಾವಿ

ಗ್ರಾಮ ಪಂಚಾಯತ್ ಕಾರ್ಯಾಲಯ ಅಮ್ಮಣಗಿ

GRAM PANCHAYATA KARAYALAYA, AMMANAGI  
TQ : Hukkeri Dist : Belagavi

To: Kallappa Chikodi

Student of the HIT Collage Nidasoshi

Subject: Permission letter regarding social activity of creating  
Awareness on energy consumption

With above subject and reference to your request letter I hereby granted  
the permission to conduct awareness Program in Ammanagi Gram Panchayat Limits  
on the topic on energy consumption.

Place: Ammanagi

Date: 12/5/22

*Sullagadum*  
Secretary

Gram Panchayat, Ammanagi  
Tal. Hukkeri Dist. Belgaum





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ECE Dept.

Internal Academic Audit

2021-22(EVEN)

V1.0

**Internal Academic Audit Report****Department: Electronics and Communication engineering****Name of Academic Audit Committee member**

1. Dr. Arun Tigadi, Associate Professor, Department of ECE, KLEMSS CET, Belagavi
2. Prof. Mahesh P Yenagimath, Department of EEE, HSIT, Nidasoshi
3. Prof. Sachin S Patil, Department of ECE, HSIT, Nidasoshi

**Date: 08/03/2023**

Criterion	Items	Verification (Yes / No)	Observation/Comment	Suggestions for Improvement
<b>Curriculum and Delivery</b>	Course Plan and Coverage	Yes	Course plan prepared before start of semester.	---
	Teaching methods & Teaching aids	Yes	Record found	Suggested to include module based teaching methods
	Attendance records, classes engaged	Yes	Attendance record are well maintained in faculty diary.	It is seen that enough number of classes have been engaged in every course as per the requirements of the University.
	Feedback from students and steps taken	Yes	Online feedback is taken and analysis is carried out twice in this semester.	Based on the feedback, corrective action need to be taken on low performing faculty.
	Quality of IA QP /Assignments	Yes	Good quality question papers set and assignment are given.	Question paper's are set as per Bloom's taxonomy in consultation with module coordinator & HOD.
	Parents meeting –students' progress	Yes	No	Need to have more involvement of Parents aiming at students progress at least once in semester and record of meet should be maintained. Better if arranged frequently.
	Continuous assessment of	Yes	Continuous assessment	Suggested to include real time based related to field of





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	Internal for theory / Practical/Project/Seminar		is carried out on regularly.	agriculture, renewable energy & rural health projects.
	SEE results analysis and Counselling	Yes	It was found that quite good overall results in EVEN semester..	---
	Attainment Level of Course Outcomes(Cos) Program Outcomes(POs), Program Specific Outcomes(PSOs)	Yes	All the faculties have documented correctly.	Attainment of CO's & PO's are done by including indirect survey also.
<b>Faculty Profile</b>	Projects completed / ongoing	Yes	Satisfactory	Total 5 projects selected for to fetch funds. Suggested to apply for funded projects available with Govt. agencies and private organization.
	Seminars / conferences attended	Yes	Satisfactory	Encourage all faculties for attending FDP, workshop at premier institutes.
	Papers / articles / books published	Yes	Faculties have published the paper.	Total 8 papers published by faculty. Suggested to focus on quality articles targeting for reputed journal or publishers .
	FDP / Training Program / Workshop attended	Yes	All attended Workshop	All the 10 faculty members attended 12 FDPs.
	Preparation of E- learning content	Yes	All faculty have maintained E-learning content.	Suggested to motivate students to use e-learning content
	Acted as resource persons	Yes	Satisfactory	1 faculty member
	Progress in higher studies	Yes	2 PhD	Suggested remaining faculties to register for PhD.
<b>Students Profile</b>	Students involvement in extra-curricular & Co curricular activities	Yes	Found satisfactory.	Suggested to involve in inter college activities based on societal issues.
	Study tour / industrial visits /exhibitions / Internship /Training	Yes	Satisfactory	Organize more industrial visits.
	Achievements and	Yes	Overall passing	Suggested to prepare action plan for the improvement of 2 <sup>nd</sup>



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ECE Dept.

Internal Academic Audit

2021-22(EVEN)

V1.0

	Academic performance		percentage is good. Less number of FCD.	year result
<b>Infrastructure</b>	No. of class rooms	Yes	3 class rooms	---
	No. of laboratories	Yes	7 well equipped laboratories.	projector facility to be provided for computer labs.
	No. of computers – for Faculties	Yes	4+10	---
	Computer- Students ratio	Yes	1:3	---
	No. of Computers – research scholars	Yes	10	---
	Quality of Equipments	Yes	Observed that quality of equipments are good and well maintained.	Carry regularly calibration of equipments and keep the record.
	Department Library	Yes	Department has well maintained Library.	Suggested to collect books from passed out students as donation..
<b>Activities of the Department</b>	MoU Signed	Yes	Record observed.	Total 07 MOU's signed. Suggested to have more number of MOUs.
	Consultancy/Collaborations	Yes	No activity observed	Need to initiate consultancy work in department.
	Guest lecturers arranged	Yes	Activity report are maintained about guest lecture.	Suggested to arrange more number of guest lecture from industry, experts and alumni.
	Conference / Seminar /Workshop conducted	Yes	Seminars organized	Suggested to organize conference.
	Extension Activity	Yes	Very minimal extension activities have been noticed during EVEN semester.	Suggested to organize more extension activities under NSS unit of the College.





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ECE Dept.

Internal Academic Audit

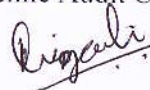
2021-22(EVEN)

V1.0

	Interaction with Industry / Research Centres /Educational Institutions	Yes	Found satisfactory.	Utilization of research centre shall be improved.
	Newsletters / Magazine	Yes	Department prepare and publish a news letter	Department Technical magazine need to be published.
	Placement	Yes	Satisfactory.	More number of placements to be done in Core companies.

Signature of the Academic Audit Committee member:

1. Dr. Arun Tigadi

 8/3/2023

2. Prof. Mahesh P Yenagimath

 10/3/2023

3. Prof. Sachin S Patil

 10.03.23  
HOD**HOD**Electronics & Communication Engg.  
Hirasugar Institute of Technology,  
Nidasoshi-591 236