



# ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

("ವಿ ಟಿ 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)

"JnanaSangama" Belagavi-590018, Karnataka, India

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

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

REF: VTU/BGM/ACA/2023-24/ **3342**

DATE: **5 OCT 2023**

### Revised-NOTIFICATION

- Subject:** Tentative Academic Calendar of 1st semesters of B.E./B.Tech./B.Arch./B.Plan., and VII semester of B.E./B.Tech., programs of University regarding...
- Reference:** Dean faculty of Engineering, VTU Belagavi approval dated 24.08.2023  
Hon'ble Vice-Chancellor's approval dated: 24.08.2023

The tentative academic calendar concerned to 1st semesters of B.E./B.Tech./B.Arch./B.Plan., and VII semester of B.E./B.Tech., programs of University for academic year 2023-24 are hereby notified as mentioned below;

	I semester B.E./B.Tech (2022 scheme)	I semester B.Plan/B.Arch (2021 scheme)	VII semester B.E./B.Tech (2018 scheme)
<b>Commencement of the Semester</b>	<b>04.09.2023</b>	<b>04.09.2023</b>	<b>14.08.2023</b>
<b># Internship/Students Induction Program</b>	<b>04.09.2023 To 14.09.2023</b>	<b>04.09.2023 To 14.09.2023</b>	<b>14.08.2023 To 09.09.2023</b>
<b>Commencement of Classes</b>	<b>15.09.2023</b>	<b>15.09.2023</b>	<b>11.09.2023</b>
<b>Last Working day of the Semester</b>	<b>06.01.2024</b>	<b>06.01.2024</b>	<b>06.01.2024</b>
<b>Practical Examination</b>	<b>08.01.2024 To 19.01.2024</b>	<b>08.01.2024 To 19.01.2024</b>	<b>08.01.2024 To 19.01.2024</b>
<b>Theory Examinations</b>	<b>22.01.2024 To 17.02.2024</b>	<b>22.01.2024 To 17.02.2024</b>	<b>22.01.2024 To 09.02.2024</b>
<b>Commencement of NEXT Semester</b>	<b>19.02.2024</b>	<b>19.02.2024</b>	<b>13.02.2024</b>

# Internship for VI semester completed students and Students Induction Program for 1<sup>st</sup> semester Students

#### Please Note:

- The academic sessions for ODD semesters should commence on the **date mentioned** above.



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File I-11

AY:2023-24 (Odd)

Rev: 01

**ACADEMIC CALENDAR OF EVENTS-01 (CoE-01) OF I & VII SEM FOR THE AY: 2023-24**

Ref: 1. VTU CoE Notification No.: VTU/BGM/ACA/2023-24/2668, Dated 25<sup>th</sup> Aug. 2023  
 2. HSIT/NDS/HOD-Meeting-23/2022-23, Dated: 20<sup>th</sup> Sept. 2023

Calendar							Date		Events & Holidays	
<b>September -2023</b>							14 <sup>th</sup> Aug.-9 <sup>th</sup> Sept.2023	One Month Internship for VI Semester completed students		
Sun	Mon	Tue	Wed	Thu	Fri	Sat	4 <sup>th</sup> -14 <sup>th</sup> Sept. 2023	Commencement of I Semester & 11 days Students Induction Program (SIP)		
3	4	5	6	7	1	2	11 <sup>th</sup> Sept.2023	Commencement of VII Semester Classes		
10	11	12	13	14	15	16	15 <sup>th</sup> Sept.2023	Commencement of I Semester Classes		
17	18	19	20	21	22	23	19 <sup>th</sup> Sept.2023	GH: Varasiddhi Vinayaka Vrata		
24	25	26	27	28	29	30	21 <sup>st</sup> Sept. 2023	LH: Mahadasoha of Shri Math Nidasoshi		
<b>October -2023</b>							28 <sup>th</sup> Sept.2023	GH: Eid-Milad		
Sun	Mon	Tue	Wed	Thu	Fri	Sat	2 <sup>nd</sup> Oct. 2023	GH: Gandhi Jayanthi		
1	2	3	4	5	6	7	19 <sup>th</sup> -21 <sup>st</sup> Oct.2023	1 <sup>st</sup> IA Test		
8	9	10	11	12	13	14	21 <sup>st</sup> Oct. 2023	1 <sup>st</sup> Feedback on Teaching-Learning (I & VII Sems.)		
15	16	17	18	19	20	21	23 <sup>rd</sup> -24 <sup>th</sup> Oct. 2023	GH: Mahanavami, Ayudhapooja, Vijayadasami		
22	23	24	25	26	27	28	26 <sup>th</sup> Oct. 2023	Display of 1 <sup>st</sup> IA Test Marks		
29	30	31					1 <sup>st</sup> Nov. 2023	GH: Kannada Rajyothsava		
<b>November -2023</b>							10 <sup>th</sup> -11 <sup>th</sup> Nov. 2023	Lab IA Test-I (2021 & 2022 Scheme)		
Sun	Mon	Tue	Wed	Thu	Fri	Sat	14 <sup>th</sup> Nov. 2023	GH: Balipadyami, Deepavali		
			1	2	3	4	23 <sup>rd</sup> -25 <sup>th</sup> Nov. 2023	2 <sup>nd</sup> IA Test		
5	6	7	8	9	10	11	25 <sup>th</sup> Nov. 2023	2 <sup>nd</sup> Feedback on Teaching-Learning (I & VII Sems.)		
12	13	14	15	16	17	18	29 <sup>th</sup> Nov. 2023	Display of 2 <sup>nd</sup> IA Test Marks		
19	20	21	22	23	24	25	30 <sup>th</sup> Nov. 2023	GH: Kanakadasa Jayanti		
26	27	28	29	30			8 <sup>th</sup> -9 <sup>th</sup> Dec. 2023	International Conference		
<b>December -2023</b>							25 <sup>th</sup> Dec. 2023	GH: Christmas		
Sun	Mon	Tue	Wed	Thu	Fri	Sat	1st -3rd Jan. 2024	3 <sup>rd</sup> IA Test		
					1	2	5 <sup>th</sup> Jan. 2024	Display of 3 <sup>rd</sup> IA Test Marks		
3	4	5	6	7	8	9	4 <sup>th</sup> -6 <sup>th</sup> Jan. 2024	Lab IA Test-II (2018, 2021 & 2022 Scheme)		
10	11	12	13	14	15	16	6 <sup>th</sup> Jan. 2024	Last Working Day of the I & VII Semesters		
17	18	19	20	21	22	23	8 <sup>th</sup> – 19 <sup>th</sup> Jan. 2024	VTU Practical Exams		
24	25	26	27	28	29	30	12 <sup>th</sup> Jan. 2024	National Youth Day		
31							26 <sup>th</sup> Jan. 2024	Republic Day		
<b>January -2024</b>							22 <sup>nd</sup> Jan. 2024	Commencement of VTU SEE		
Sun	Mon	Tue	Wed	Thu	Fri	Sat	13 <sup>th</sup> Feb.2024	Commencement of II Semester		
	1	2	3	4	5	6	19 <sup>th</sup> Feb. 2024	Commencement of VIII Semester		
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							
<b>February -2024</b>										
Sun	Mon	Tue	Wed	Thu	Fri	Sat				
				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						

GH: General Holiday, LH: Local Holiday

Dr.S.N.Topannavar

IQAC Coordinator &amp; Dean (Academics)



Dr.S.C.Kamate

Principal

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File I-11

AY:2023-24 (Odd)

Rev: 01

**REVISED ACADEMIC CALENDAR OF EVENTS-02 (CoE-02) OF III & V SEM FOR THE AY: 2023-24**

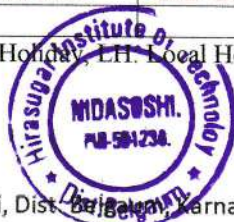
- Ref: 1. VTU CoE Notification No.: VTU/BGM/ACA/2023-24/3252, Dated 30<sup>th</sup> Sept. 2023  
 2. VTU CoE Notification No.: VTU/BGM/ACA/2023-24/2668, Dated 25<sup>th</sup> Aug. 2023  
 3. VTU Revised CoE Notification No.: VTU/BGM/ACA/2023-24/3681, Dated 20<sup>th</sup> Oct. 2023

Calendar							Date	Events & Holidays
October -2023							28 <sup>th</sup> Sept.2023	GH: Eid-Milad
Sun	Mon	Tue	Wed	Thu	Fri	Sat	2 <sup>nd</sup> Oct. 2023	GH: Gandhi Jayanthi
1	2	3	4	5	6	7	14 <sup>th</sup> Oct.2023	GH: Mahalaya Amavasya
8	9	10	11	12	13	14	17 <sup>th</sup> Oct. 2023	Fresher's day: A Welcome Function for 1 <sup>st</sup> year students
15	16	17	18	19	20	21	23 <sup>rd</sup> -24 <sup>th</sup> Oct. 2023	GH: Mahanavami, Ayudhapooja, Vijayadasami
22	23	24	25	26	27	28	25 <sup>th</sup> Oct to 23 <sup>rd</sup> Nov. 2023	V Sem Innovation/Entrepreneurship/Societal Internship (2021 Scheme)
29	30	31					28 <sup>th</sup> Oct. 2023	Valmiki Jayanti
November -2023							1 <sup>st</sup> Nov. 2023	GH: Kannada Rajyotsava
Sun	Mon	Tue	Wed	Thu	Fri	Sat	14 <sup>th</sup> Nov. 2023	GH: Balipadyami, Deepavali
			1	2	3	4	15 <sup>th</sup> Nov. 2023	Commencement of III Semester Classes
5	6	7	8	9	10	11	25 <sup>th</sup> Nov. 2023	Commencement of V Semester Classes
12	13	14	15	16	17	18		
19	20	21	22	23	24	25		
26	27	28	29	30			30 <sup>th</sup> Nov. 2023	GH: Kanakadasa Jayanti
December -2023							8 <sup>th</sup> -9 <sup>th</sup> Dec. 2023	International Conference
Sun	Mon	Tue	Wed	Thu	Fri	Sat	25 <sup>th</sup> Dec. 2023	GH: Christmas
					1	2	21 <sup>st</sup> -23 <sup>rd</sup> Dec.2023	1 <sup>st</sup> IA Test for III & V Semesters
3	4	5	6	7	8	9	23 <sup>rd</sup> Dec. 2023	1 <sup>st</sup> Feedback on Teaching-Learning (III & V Sems.)
10	11	12	13	14	15	16	27 <sup>th</sup> Dec. 2023	Display of 1 <sup>st</sup> IA Test Marks (III & V Sems.)
17	18	19	20	21	22	23	12 <sup>th</sup> Jan. 2024	National Youth Day
24	25	26	27	28	29	30	15 <sup>th</sup> Jan. 2024	GH: Uttarayana Punya Kala Sankrathi (Tentative)
31							19 <sup>th</sup> -20 <sup>th</sup> Jan. 2024	Lab IA Test-I (III Sem. 2022 Scheme & V Sem. 2021 Scheme)
January -2024							22 <sup>nd</sup> -24 <sup>th</sup> Jan. 2024	2 <sup>nd</sup> IA Test for III & V Semesters
Sun	Mon	Tue	Wed	Thu	Fri	Sat	24 <sup>th</sup> Jan. 2024	2 <sup>nd</sup> Feedback on Teaching-Learning (III & V Sems.)
	1	2	3	4	5	6	26 <sup>th</sup> Jan. 2024	Republic Day
7	8	9	10	11	12	13	29 <sup>th</sup> Jan. 2024	Display of 2 <sup>nd</sup> IA Test Marks (III & V Sems.)
14	15	16	17	18	19	20		
21	22	23	24	25	26	27	9 <sup>th</sup> -10 <sup>th</sup> Feb. 2024	Lab IA Test-II (III Sem. 2022 Scheme)
28	29	30	31				15 <sup>th</sup> -17 <sup>th</sup> Feb. 2024	3 <sup>rd</sup> IA Test for III Semester
February -2024							19 <sup>th</sup> Feb. 2024	Display of 3 <sup>rd</sup> IA Test Marks (III Sem.)
Sun	Mon	Tue	Wed	Thu	Fri	Sat	20 <sup>th</sup> Feb. 2024	Last Working Day of the III Semester
				1	2	3	21 <sup>st</sup> -29 <sup>th</sup> Feb. 2024	III Semester VTU Practical Examination
4	5	6	7	8	9	10	04 <sup>th</sup> -23 <sup>rd</sup> March. 2024	III Semester VTU Theory Exams (SEE)
11	12	13	14	15	16	17	1 <sup>st</sup> & 2 <sup>nd</sup> March 2024	Lab IA Test-II (V Sem. 2021 Scheme)
18	19	20	21	22	23	24	5 <sup>th</sup> -7 <sup>th</sup> March 2024	3 <sup>rd</sup> IA Test for V Sem
25	26	27	28	29			9 <sup>th</sup> March 2024	Display of 3 <sup>rd</sup> IA Test Marks
March -2024							8 <sup>th</sup> March 2024	GH: Mahashivaratri & International Women's Day
Sun	Mon	Tue	Wed	Thu	Fri	Sat	9 <sup>th</sup> March 2024	Last Working Day of the V Semester
31					1	2	11 <sup>th</sup> -20 <sup>th</sup> March. 2024	V Semester Practical Examination
3	4	5	6	7	8	9	1 <sup>st</sup> April 2024	Commencement of IV Semester
10	11	12	13	14	15	16	22 <sup>nd</sup> March-20 <sup>th</sup> April 24	V Semester VTU Theory Exams (SEE)
17	18	19	20	21	22	23	22 <sup>nd</sup> April 2024	Commencement of VI Semester
24	25	26	27	28	29	30	29 <sup>th</sup> March 2024	GH: Good Friday

GH: General Holiday, LH: Local Holiday

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ECE Dept.

Academic

Work Load

2023-24(Even)

## Department Academic Workload Even Semester 2023-24

Sl. No.	Name of the faculty	Designation	Sem	Subject /Lab Code	Name of the Subject /Name of the Lab	Theory Hrs	Tutorial Hrs	Lab Hrs	Total Hrs	Sign
1	Dr. M. C. Sarsamba	Professor	I	BESCK204C	Introduction to electronics and communication	3	-	-	3	
2	Dr. S. S. Ittannavar	Associate Professor	IV	BEC402	Principles of Communication Systems	3	-	-	13	
			IV	BEC402	Principles of Communication Systems Lab	-	-	6(2*3)		
			VI	21EC641	Artificial Neural Networks	2	2			
3	Prof. S. S. Malaj	Assistant Professor	IV	BEC405A	Microcontrollers	3			12	
			VI	IPCC 21EC62	Microwave Theory and Antennas	3				
			VI	IPCC 21EC62	Microwave Theory and Antennas		-	6(2*3)		
4	Prof. S. S. Kamate	Assistant Professor	IV	BEC401	Engineering Electromagnetics	3			14	
			VI	PCC 21EC63	VLSI Design & Testing	3				
			VI	PCC 21ECL66	VLSI Laboratory	-	-	6(2*3)		
			VIII	18ECP83	Project Work Phase-2	2				
5	Prof. D. M. Kumbhar	Assistant Professor	IV	BEC403	Control Systems	3	-	-	9	
			IV	BEC403	Control Systems Lab	-	-	6(2*3)		
6	Prof. S. S. Patil	Assistant Professor	I	BPLCK205B	Introduction to Python	3	-		12	
			I	BPLCK205B	Introduction to Python Lab	-	-	6(2*3)		
			I	BESCK204E	Introduction to C programming	3	-			





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ECE Dept.

Academic

Work Load

2023-24(Even)

Sl. No.	Name of the faculty	Designation	Sem	Subject/lab Code	Name of the Subject/ Name of the Lab	Theory Hrs	Tutorial Hrs	Lab Hrs	Total Hrs	Sign
7	Prof. D. B. Madihalli	Assistant Professor	I	BPLCK205B	Introduction to Python	3	-	-	12	
			I	BPLCK205B	Introduction to Python Lab		-	6(2*3)		
			I	BBEE203	Basic Electronics	3	-	-		
8	Prof. P. V. Patil	Dean Placements and IIIC	VIII	18EC81	Wireless and Cellular Communication	3	-	-	3	
9	Prof. B. P. Khor	Assistant Professor	II	BESCK204C	Introduction to electronics and communication	3	-	-	14	
			IV	BEC456A	Embedded C basics	-	-	6(2*3)		
			VIII	18EC821	Network Security	3	-	-		
			VIII	18ECS84	Technical Seminar			2		
10	Prof. S. R. Malluramath	Assistant Professor	I	BESCK204E	Introduction to C programming Lab	-	-	6(2*3)	11	
			IV	BUHK408	Universal human values course	1	-	-		
			VI	HSMC 21EC61	Technological Innovation Management and Entrepreneurship	2	2	-		
11	Prof. K. S. Patil	Assistant Professor	IV	BECL404	Communication laboratory		-	6(2*3)	9	
			VI	21EC655	Sensors & Actuators	3	-	-		

HOD  
20/4/24

PRINCIPAL  
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Nidasoshi-591 236





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**ECE Dept.**  
**Academic**  
**MTT V:00**  
**2023-24**  
**(ODD Sem.)**

## Department of Electronics & Communication Engineering

**Master Time Table for Academic Year 2023-24 (Odd Sem.)**

**VII Sem. WEF: 3/10/2023, III Sem. WEF: 15/11/2023 & V Sem. WEF: 25/11/2023**

Time/ Day	SEM	09:00Am To 09:55Am	09:55Am To 10:50Am	BREAK (10.50 Am To 11.10 Am)	11:10Am To 12:05Pm	12:05Pm To 01:00Pm	LUNCH BREAK (01.00 Pm To 02.00 Pm)	02:00Pm To 02:55Pm	02:55Pm To 03:50Pm	03:50Pm To 04:45Pm	
MON	III	EP&C (DMK)	DSDV (SRM)		S&I (DMK)	NA (PVP)		EP&C Lab – B1 (KSP)		-	
	V	EW (SSK)	RM (SSM)		DC (SSI)	CO&A (KSP)		CCN (Self study)	-		
	VII	MMC (SSI)	CN Lab VLSI Lab		CN Lab – B1 (BPK) VLSI Lab – B2 (SSK)			VLSI Lab (Tutorial) (SSK)	CN (BPK)	Project work	
TUE	III	A&D Lab – B1 (SSM) DSDV Lab-B2 (KSP)			NA (PVP)	NA (PVP)		M-III (SLP)	M-III (SLP)	EP&C (DMK)	
	V	ES (MSH )	CCN (MCS)		IOT Lab-B1(DMK) Comm. Lab-II-B2(SSI) CO&A Lab-B3(SRM)			-			
	VII	VLSI (SSK)	MMC (SSI)		VLSI (SSK)	CN (BPK)		RTS (SSM)	CN Lab (Tutorial) (BPK)	Project Work	
WED	III	M-III (SLP)	DSDV (SRM)		S&I (DMK)	EP&C (DMK)		EP&C Lab – B2 (KSP)		AICTE Activity	
	V	CCN (MCS)	CO&A (KSP)		DC (SSI)	EW (SSK)		AICTE Activity Point Program			
	VII	CN Lab – B2 (BPK) VLSI Lab – B1 (SSK)			CN Lab VLSI Lab	E&E (MMS)(OE)		AICTE Activity Point Program			
THU	III	EP&C Lab – B3 (KSP)			DSDV (SRM)	S&I (DMK)		A&D Lab – B2 (SSM) DSDV Lab-B3 (KSP)		--	
	V	IOT Lab-B2(DMK) Comm. Lab-II-B3(SSI) CO&A Lab -B1(SRM)			EW (SSK)	ES (MSH )		-			
	VII	CN (BPK)	RTS (SSM)		MMC (SSI)	E&E (MMS) (OE)		← Gate-2024 Coaching →			
FRI	III	M-III (SLP)	MATLAB (SSI)		A&D Lab – B3 (SSM) DSDV Lab-B1 (KSP)			← ECSA Activities →			
	V	CO&A (KSP)	CCN (MCS)		DC (SSI)	DC (Self study)		← ECSA Activities →			
	VII	RTS (SSM)	VLSI (SSK)		VLSI (SSK)	E&E (MMS) (OE)		← ECSA Activities →			
SAT	III	YOGA (SBS)			SCR (SBS)						
	V	IOT Lab-B3 (DMK) Comm. Lab-II-B1 (SSI) CO&A Lab-B2 (SRM)			EW (SSK)	CCN (MCS)					
	VII	Professional/Technical Training			Professional/Technical Training						

**Prof. B. P. Khot**  
 Coordinator

**Dr. M. C. Sarsamba**  
 HOD

**Dr. S. C. Kamate**  
 Principal

Electronics & Communication Engg.

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Mech Engrg Dept

Academics

Time Table

AY 2023-24 (ODD)

**Time-Table**

(Ref. ME/AY 2022-23/HOD/Meeting-Proceeding/33&amp;34, Dated 16/06/2023 &amp; 02/08/2023)

Sem.: VII

Class Strength: 21

Room No.: C-303

W.E.F: 11/09/2023

Class Teachers: 1. Prof.S.A.Goudadi (Mobile No.:9845348448), E-mail: bmdodamani\_mech@hsit.ac.in  
 2. Prof.M.A.Hipparagi (Mobile No.:9448876682), E-mail: sagoudadi\_mech@hsit.ac.in

Day/ Time	09:00am- 09:55am	09:55am - 10:50am		11:10am- 12:05pm	12:05pm- 01:00pm		02:00pm- 02:55pm	02:55pm- 03:50pm	03:50pm - 04:45pm
Monday	CE	CAMD	20 Minutes Short Break	PM	TQM	60 Minutes Lunch Break	CIM Lab (B1) Design Lab (B2)		
Tuesday	CAMD	CE		TQM	PM		CIM Lab (B2) Design Lab (B1)		
Wednesday	PM	CAMD		CE	EV/CT (OE-B)		AIMSS/TP Cell Activities		
Thursday	CE*	TQM		PM	EV/CT (OE-B)		AIMSS/TP Cell Activities		
Friday	PM*	CAMD*		TQM*	EV/CT (OE-B)		AIMSS/TP Cell Activities		
Saturday	Project Work			Project Work					

**Note:** \*Tutorial/Extra Class

Lab Batches: B1-Roll No 1 to 10, B2-Roll No 11 onwards

VTU 2018 Scheme CIE:SEE=40:60

S.N.	Course	Course Code	Abbreviation	L:T:P	Credits	Faculty	Signature
1	Control Engineering	18ME71	CE	3:0:0	3	Prof.S.A.Goudadi	
2	Computer Aided Design and Manufacturing	18ME72	CAMD	3:0:0	3	Prof.M.A.Hipparagi	
3	Total Quality Management (PE-2)	18ME734	TQM	3:0:0	3	Prof.M.A.Hipparagi	
4	Project Management (PE-3)	18ME745	PM	3:0:0	3	Prof.M.S.Futane	
5	Electric Vehicle/ Communication Theory (OE-B)	18EE752/ 18EC751	EV/CT	3:0:0	3	Dr.B.V.Madiggond (EEE Dept.) Prof.B.P.Khot (ECE Dept.)	
6	Computer Integrated Manufacturing Lab	18MEL76	CIM Lab	0:2:2	2	Prof.M.A.Hipparagi	
7	Design Lab	18MEL77	Design Lab	0:2:2	2	Prof.S.A.Goudadi	
8	Project Work Phase - 1	18MEP78	Project Work	0:0:2	1	Respective Guide/s	
9	Internship	--	--	--	--	Respective Guide/s	

Dr.S.N.Topannavar

**HOD**


Dr.S.C.Kamate



**Mechanical Engrg**  
**HIT, Nidasoshi**

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<b>FULLSTACK DEVELOPMENT</b>			
<b>Course Code</b>	<b>21CS62</b>	<b>CIE Marks</b>	<b>50</b>
<b>Course Type</b>	<b>Integrated</b>	<b>SEE Marks</b>	<b>50</b>
<b>Teaching Hours/Week (L:T:P:S)</b>	<b>3:0:2:0</b>	Total marks(CIE + SEE)	<b>100</b>
<b>Total Hours of Pedagogy</b>	<b>40 T + 20 P</b>	SEE Hours	<b>03</b>
<b>Credits</b>	<b>04</b>		

<b>FACULTY DETAILS:</b>		
<b>Name:</b> Dr. K. B. Manwade	<b>Designation:</b> Professor	<b>Experience:</b> 20 Yrs
<b>No. of times course taught:</b> 01	<b>Specialization:</b> Computer Science and Engineering	

## 1.0 Perquisite Subjects:

Sl. No	Branch	Semester	Subject
01	CSE	III, IV	Python programming, Web programming

## 2.0 Course Objectives


CLO 1.	Explain the use of learning full stack web development.
CLO 2.	Make use of rapid application development in the design of responsive web pages.
CLO 3.	Illustrate Models, Views and Templates with their connectivity in Django for full stack web development.
CLO 4.	Demonstrate the use of state management and admin interfaces automation in Django.
CLO 5.	Design and implement Django apps containing dynamic pages with SQL databases.

## 3.0 Course Outcomes [C145]

**At the end of the course the student will be able to:**

CO	Course Outcome	RBT Level	POs
C145.1	Understand the working of MVT based full stack web development with Django.	L1,L2,L3	1,2,3,8,10
C145.2	Designing of Models and Forms for rapid development of web pages.	L1,L2,L3	1,2,3,8,10
C145.3	Template Inheritance and Generic views for developing full stack web applications.	L1,L2,L3	1, 2, 3,8,10
C145.4	Apply the Django framework libraries to render non HTML contents like CSV and PDF.	L1,L2,L3	1, 2,3,8,10
C145.5	Perform jQuery based AJAX integration to Django Apps to build responsive full stack web applications,	L1,L2,L3	1, 2,3,8,10



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## 4.0 Course Content

### Module-1: MVC based Web Designing (08 Hours)

Web framework, MVC Design Pattern, Django Evolution, Views, Mapping URL to Views, Working of Django URL Confs and Loose Coupling, Errors in Django, Wild Card patterns in URLs.

**Textbook 1: Chapter 1 and Chapter 3**

### Module-2: Django Templates and Models (08 Hours)

Template System Basics, Using Django Template System, Basic Template Tags and Filters, MVT Development Pattern, Template Loading, Template Inheritance, MVT Development Pattern.

Configuring Databases, Defining and Implementing Models, Basic Data Access, Adding Model String Representations, Inserting/Updating data, Selecting and deleting objects, Schema Evolution

**Textbook 1: Chapter 4 and Chapter 5**

### Module-3: Django Admin Interfaces and Model Forms (08 Hours)

Activating Admin Interfaces, Using Admin Interfaces, Customizing Admin Interfaces, Reasons to use Admin Interfaces.

Form Processing, Creating Feedback forms, Form submissions, custom validation, creating Model Forms, URLConf Ticks, Including Other URLConfs.

**Textbook 1: Chapters 6,7 and 8**

### Module-4: Generic Views and Django State Persistence (08 Hours)

Using Generic Views, Generic Views of Objects, Extending Generic Views of objects, Extending Generic Views.

MIME Types, Generating Non-HTML contents like CSV and PDF, Syndication Feed Framework, Sitemap framework, Cookies, Sessions, Users and Authentication.

**Textbook 1: Chapters 9, 11 and 12**

### Module-5: jQuery and AJAX Integration in Django (08 Hours)


Ajax Solution, Java Script, XMLHttpRequest Request and Response, HTML, CSS, JSON, iFrames, Settings of Java Script in Django, jQuery and Basic AJAX, jQuery AJAX Facilities, Using jQuery UI Autocomplete in Django

**Textbook 2: Chapters 1, 2 and 7**

### Programming Exercises:

1. Installation of Python, Django and Visual Studio code editors can be demonstrated.
2. Creation of virtual environment, Django project and App should be demonstrated
3. Develop a Django app that displays current date and time in server
4. Develop a Django app that displays date and time four hours ahead and four hours before as an offset of current date and time in server.
5. Develop a simple Django app that displays an unordered list of fruits and ordered list of selected students for an event
6. Develop a layout.html with a suitable header (containing navigation menu) and footer with copyright and developer information. Inherit this layout.html and create 3 additional pages: contact us, About Us and Home page of any website.
7. Develop a Django app that performs student registration to a course. It should also display list of students registered for any selected course. Create students and course as models with enrolment as ManyToMany field.
8. For student and course models created in Lab experiment for Module2, register admin interfaces, perform migrations and illustrate data entry through admin forms.



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9. Develop a Model form for student that contains his topic chosen for project, languages used and duration with a model called project.
10. For students enrolment developed in Module 2, create a generic class view which displays list of students and detailview that displays student details for any selected student in the list.
11. Develop example Django app that performs CSV and PDF generation for any models created in previous laboratory component.
12. Develop a registration page for student enrolment as done in Module 2 but without page refresh using AJAX.
13. Develop a search application in Django using AJAX that displays courses enrolled by a student being searched.

## 5.0 Relevance to future subjects

S. No	Semester	Subject	Topics
01	VII	Cloud computing	For web site hosting
02	VIII	Project work	For web based projects

## 6.0 Relevance to Real World

S. No	Real World Mapping
1.	Developing websites.

## 7.0 Analysis and Mitigation

S. No	Delivery Type	Details
01	content	<a href="https://www.w3schools.com/django/index.php">https://www.w3schools.com/django/index.php</a>


## 8.0 Books Used and Recommended to Students

<b>Books</b>	
1.	Adrian Holovaty, Jacob Kaplan Moss, The Definitive Guide to Django: Web Development Done Right, Second Edition, Springer-Verlag Berlin and Heidelberg GmbH & Co. KG Publishers, 2009
2.	Jonathan Hayward, Django Java Script Integration: AJAX and jQuery, First Edition, Pack Publishing, 2011
<b>Links and Video Lectures (e-Resources):</b>	
1.	MVT architecture with Django: <a href="https://freevideolectures.com/course/3700/django-tutorials">https://freevideolectures.com/course/3700/django-tutorials</a>
2.	Using Python in Django: <a href="https://www.youtube.com/watch?v=2BqoLiMT3Ao">https://www.youtube.com/watch?v=2BqoLiMT3Ao</a>
3.	Model Forms with Django: <a href="https://www.youtube.com/watch?v=gMM1rtTwKxE">https://www.youtube.com/watch?v=gMM1rtTwKxE</a>
4.	Real time Interactions in Django: <a href="https://www.youtube.com/watch?v=3gHmfoeZ45k">https://www.youtube.com/watch?v=3gHmfoeZ45k</a>
5.	5. AJAX with Django for beginners: <a href="https://www.youtube.com/watch?v=3VaKNyjlxAU">https://www.youtube.com/watch?v=3VaKNyjlxAU</a>
<b>Activity Based Learning (Suggested Activities in Class)/ Practical Based learning</b>	
1.	Real world problem solving - applying the Django framework concepts and its integration with AJAX to develop any shopping website with admin and user dashboards.

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

<b>Website and Internet Contents References</b>	
1.	<a href="https://github.com/django/django">https://github.com/django/django</a>
2.	<a href="https://docs.djangoproject.com/en/5.0/">https://docs.djangoproject.com/en/5.0/</a>



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## 10.0 Magazines/Journals Used and Recommended to Students

S. No	Magazines/Journals	website
1	The Python Papers (ISSN: 1834-3147)	<a href="https://journals.indexcopernicus.com/search/details?id=782">https://journals.indexcopernicus.com/search/details?id=782</a>
2	n Periodicals	<a href="https://wiki.python.org/moin/PythonPeriodicals">https://wiki.python.org/moin/PythonPeriodicals</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 subject/ course if the student secures not less than 35% (18 Marks out of 50) in the semester-end examination (SEE), and a minimum of 40% (40 marks out of 100) in the sum total of the CIE (Continuous Internal Evaluation) and SEE (Semester End Examination) taken together

#### Continuous Internal Evaluation (CIE):

Three Unit Tests each of 20 Marks (duration 01 hour)

1. First test at the end of 5th week of the semester
2. Second test at the end of the 10th week of the semester
3. Third test at the end of the 15th week of the semester

Two assignments each of 10 Marks

4. First assignment at the end of 4th week of the semester
5. Second assignment at the end of 9th week of the semester

**Practical Sessions need to be assessed by appropriate rubrics and viva-voce method. This will contribute to 20 marks.**

- Rubrics for each Experiment taken average for all Lab components – 15 Marks.
- Viva-Voce– 5 Marks (more emphasized on demonstration topics)

The sum of three tests, two assignments, and practical sessions will be out of 100 marks and will be scaled down to 50 marks (to have a less stressed CIE, the portion of the syllabus should not be common /repeated for any of the methods of the CIE. Each method of CIE should have a different syllabus portion of the course).

CIE methods /question paper has to be designed to attain the different levels of Bloom's taxonomy as per the outcome defined for the course.


#### Semester End Examination:

Theory SEE will be conducted by University as per the scheduled timetable, with common question papers for the subject (duration 03 hours)

1. The question paper will have ten questions. Each question is set for 20 marks. Marks scored shall be proportionally reduced to 50 marks
2. There will be 2 questions from each module. Each of the two questions under a module (with a maximum of 3 sub-questions), should have a mix of topics under that module.

The students have to answer 5 full questions, selecting one full question from each module.




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## 12.0

## Course Delivery Plan

Module	Lecture No.	Content of Lecture		% of Portion
		PART - A	Teaching-Learning Process	
1	L1.	Introduction to web programming	Chalk &board, PPT, Animation, Active Learning	20
	L2.	Web framework		
	L3.	MVC Design Pattern,		
	L4.	Django Evolution		
	L5.	Views		
	L6.	Mapping URL to Views		
	L7.	Working of Django URL Confs and Loose Coupling		
	L8.	Errors in Django, Wild Card patterns in URLS.		
2	L9.	Template System Basics, Using Django Template System	Chalk & board, Active Learning, Problem based learning	20
	L10.	Basic Template Tags and Filters, MVT Development Pattern		
	L11.	Template Loading, Template Inheritance		
	L12.	MVT Development Pattern		
	L13.	Configuring Databases, Defining and Implementing Models		
	L14.	Basic Data Access, Adding Model String Representations		
	L15.	Inserting/Updating data		
	L16.	Selecting and deleting objects, Schema Evolution		
3	L17.	Activating Admin Interfaces	Chalk & board, PPT, Animation, NPTEL, Active Learning	20
	L18.	Using Admin Interfaces		
	L19.	Customizing Admin Interfaces		
	L20.	Reasons to use Admin Interfaces		
	L21.	Form Processing, Creating Feedback forms		
	L22.	Form submissions, custom validation		
	L23.	creating Model Forms, URLConf Ticks		
	L24.	Including Other URLConfs		
4	L25.	Using Generic Views	Chalk& board, Problem based learning	20
	L26.	Generic Views of Objects		
	L27.	Extending Generic Views of objects		
	L28.	Extending Generic Views		
	L29.	Extending Generic Views		
	L30.	Generating Non-HTML contents like CSV and PDF		
	L31.	Syndication Feed Framework, Sitemap framework		
	L32.	Cookies, Sessions, Users and Authentication		
5	L33.	Ajax Solution	Chalk & board, MOOC	20
	L34.	Java Script		
	L35.	XHTMLHttpRequest and Response		
	L36.	HTML, CSS, JSON		
	L37.	iFrames, Settings of Java Script in Django		
	L38.	jQuery and Basic AJAX		
	L39.	jQuery AJAX Facilities		
	L40.	Using jQuery UI Autocomplete in Django		
Practical component				




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	P1.	Installation of Python, Django and Visual Studio code editors can be demonstrated.	Conduction of Experiments in laboratory and viva-voce	20
	P2.	Creation of virtual environment, Django project and App should be demonstrated		
	P3.	Develop a Django app that displays current date and time in server		
	P4.	Develop a Django app that displays date and time four hours ahead and four hours before as an offset of current date and time in server.		
	P5.	Develop a simple Django app that displays an unordered list of fruits and ordered list of selected students for an event		
	P6.	Develop a layout.html with a suitable header (containing navigation menu) and footer with copyright and developer information. Inherit this layout.html and create 3 additional pages: contact us, About Us and Home page of any website.		
	P7.	Develop a Django app that performs student registration to a course. It should also display list of students registered for any selected course. Create students and course as models with enrolment as ManyToMany field.		
	P8.	For student and course models created in Lab experiment for Module2, register admin interfaces, perform migrations and illustrate data entry through admin forms.		
	P9.	Develop a Model form for student that contains his topic chosen for project, languages used and duration with a model called project.		
	P10.	For students enrolment developed in Module 2, create a generic class view which displays list of students and detailview that displays student details for any selected student in the list.		
	P11.	Develop example Django app that performs CSV and PDF generation for any models created in previous laboratory component.		
	P12.	Develop a registration page for student enrolment as done in Module 2 but without page refresh using AJAX.		
	P13.	Develop a search application in Django using AJAX that displays courses enrolled by a student being searched.		

### 13.0 Assignments, Quiz,GD, Mini Project, Seminars

S. No.	Title	Outcome expected	Related Study	Week No.	Individual / Group activity	Reference: book/website /Paper
1	<b>Assignment-1:</b> Introduction to Computer Hardware & Software.(10Marks)	Students study the Topic and write the Answers.	Chapter-1 of Module-1	4	Individual Activity.	Book 1, 2 of the reference list.
2	<b>Assignment-2:</b> Character Array & Stings including problems. (10Marks)	Students study the Topics and write the Answers.	Chapter-2 of Module-3	9	Individual Activity.	Book 1, 2 of the reference list.
3	Quiz/Seminar/GD/Activity (20Marks)	Students study the Topics and answer the Quiz / present seminar.	Will be Notified later.	13	Individual/Group activity.	Book 1, 2 of the reference list.

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## 14.0

## QUESTION BANK

### Module: 1

1. What is a web framework?
2. Why would you use a web framework?
3. What does MVC stand for, and what are its components?
4. How does the MVC design pattern benefit web application development?
5. What are some key features of Django?
6. How has Django evolved over time?
7. What is a view in Django?
8. How do you create a simple view in Django?
9. How does Django map URLs to views?
10. Provide an example of a URL pattern mapping to a view in Django.
11. What is a URLconf in Django?
12. What is loose coupling in the context of Django?
13. What are common types of errors you might encounter in a Django application?
14. How can you handle errors in Django?
15. What is a wildcard pattern in Django URLs?
16. Give an example of using a wildcard pattern in a Django URL.


### Module -2

1. What is the purpose of the template system in Django?
2. What are templates in Django typically used for?
3. How do you use a template in a Django view?
4. What are template tags in Django?
5. What are template filters in Django?
6. Give an example of a basic template tag and a filter.
7. What does MVT stand for in Django, and how does it differ from MVC?
8. How does Django find and load templates?
9. What is template inheritance in Django?
10. Provide an example of template inheritance in Django.
11. How do you configure a database in Django?
12. What is a model in Django?
13. How do you define a basic model in Django?
14. How do you perform basic data access operations in Django?
15. How do you retrieve all objects from a model?
16. Why is it important to add string representations to models?
17. How do you add a string representation to a Django model?
18. How do you insert a new record into a Django model?
19. How do you update an existing record in Django?
20. How do you select a single object in Django?
21. How do you delete an object in Django?
22. What is schema evolution in Django?
23. How do you apply schema changes in Django?
24. How do you create and apply migrations in Django?

### Module- 3

1. How do you activate the Django admin interface?



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- What is the Django admin interface used for?
- How do you access the Django admin interface?
- How do you access the Django admin interface?
- What are some reasons to use the Django admin interface?
- What is form processing in Django?
- How do you create a feedback form in Django?
- How do you display a feedback form in a template?
- How do you handle form submissions in Django views?
- How do you add custom validation to a Django form?
- What are model forms in Django?
- How do you create a model form in Django?

#### Module- 4

- What are the benefits of using generic views in Django?
- What are some common built-in generic views in Django? (e.g., ListView, DetailView)
- How can I customize the context data passed to templates from a generic view?
- How do I extend a generic view to add custom functionality?
- How can I use generic views to display lists and details of specific model objects?
- What is the queryset attribute used for in generic views?
- How can I change the variable name used in templates for a list of objects? (e.g., from object\_list to book\_list)
- When is it appropriate to extend a generic view rather than writing a custom view from scratch?
- How can I override methods in a subclassed generic view to modify its behavior?
- What are some examples of common customizations for generic views of objects? (e.g., filtering objects, adding extra context data)
- What are the different ways to extend generic views in Django? (e.g., subclassing, mixing concerns)
- How can I handle different HTTP methods (GET, POST, etc.) in a custom generic view?
- What are some best practices for writing maintainable and reusable extended generic views?
- MIME Types: What are MIME types and how are they used in Django to specify content types for responses?
- Non-HTML Content: How can I generate responses in formats like CSV and PDF in Django?
- Syndication Feeds: How can I use Django to create RSS or Atom feeds for my website?
- Sitemap Framework: What are the benefits of using a sitemap framework in Django and how do I get started?
- Cookies & Sessions: How can I use cookies and sessions to store user data in Django?
- Users & Authentication: How do I implement user authentication and authorization in a Django application?




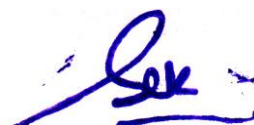
#### Module- 5

- What is AJAX? How does it differ from traditional page reloads?
- What are the components of an AJAX request? (JavaScript, XMLHttpRequest, HTML, CSS)
- How does a web browser handle an AJAX request? (Sending and receiving data)
- What is JSON and why is it commonly used with AJAX?
- How can I interact with Django views using JavaScript's XMLHttpRequest object?
- How do I send data (e.g., form data) to Django in an AJAX request?
- How do I handle the response from a Django view in JavaScript? (Updating the DOM)
- What is jQuery and how does it simplify AJAX development?
- What are some common jQuery methods used for AJAX requests (e.g., \$.get, \$.post)?
- How can I use jQuery UI Autocomplete to create a search bar with suggestions fetched via AJAX from Django?
- How do I configure Django to handle security concerns related to AJAX requests (e.g., CSRF protection)?
- How can I handle errors and loading states during AJAX requests?
- What are some best practices for writing maintainable and efficient AJAX code?
- How can I integrate real-time features like WebSockets with Django for a more dynamic user experience?

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## 15.0 University Result

Examination	S+	S	A	B	C	D	E	F	% Passing
-	-	-	-	-	-	-	-	-	-

Prepared by	Checked by		
			
Dr. K. B. Manwade	Dr. Mahesh. G. Huddar	HOD	Principal



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			<b>Academic</b>
			<b>IA – I</b>
			<b>2023-24 (ODD)</b>

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

Date: 12/10/2023

## CIRCULAR

The first IA for I semester and VII 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 ↓	19-10-2023		20-10-2023			21-10-2023		
	11.00 AM – 12.30 PM#	2.30 PM – 04.00 PM#	11.00 AM – 12.30 PM#	2.30 PM – 04.00 PM#	04.00 PM – 05.00 PM#	10.00 AM – 11.30 AM#	11.30 AM – 12.30 PM#	01.00 PM – 02.00 PM#
I	BMAT*101	BCHE*102/ BPHY*102	BPOPS103/ BBLN103/ BEEE103	BESCK104B/ BESCK104C/ BESCK104E	BENGK106	BPLCK105B/ BPLCK105E/ BETCK105E/	BKSKK107/ BKBBK107/ BICOK107	BIDTK158/ BSFHK158
VII	18**71	18**72	18**73X	18**74X	---	18**75X	---	---

**Note:**

- # For 50 Marks Test, Duration: 90 Minutes and For 25/20 Marks Test, Duration: 60 Minutes.
- \* BCEDK103 lab exams for D (ECE), E (CSE) and F (ME & Civil Engg.) are conducted as per below time table (\*\*).

### Seating Arrangement (As per the Roll Call)

Wing	Block	Semester–Branch : Roll Nos.	
<b>A</b>	1	IA-FY:01-30 (30)	-----
	2	IA-FY:31-59 (29)	-----
	3	IB-FY: 01-32 (32)	-----
<b>B</b>	4	IB-FY: 33-62 (30)	-----
	5	IC-FY: 01-30 (30)	-----
	6	IC-FY: 31-55 (25)	-----
	7	ID-FY:01-30 (30)	VII-CS:1-30 (30)
	8	ID-FY:31-59 (29)	VII-CS:31-59 (29)
	9	IE-FY:01-34 (34)	VII-EC:1-30(30)
<b>D</b>	10	IE-FY:35-68 (34)	VII-EC:31-46(16) VII-EE:1-18 (18)
	11	IF-FY:01-31 (31)	VII-ME:1-21 (21) VII-CV:1-08 (08)

**\*\* TIME TABLE FOR Computer Aided Engineering Drawing LAB (BCEDK103)**  
Exam Venue: CAED Lab

Date	Batch/Examiner	Time
19-10-2023	F1 & F2 (MAH)	04.00 PM TO 05.30 PM
20-10-2023	D1 & E1 (DNI & GMZ)	09.30 AM TO 11.00 AM
	D2 & E2 (DNI & GMZ)	10.30 AM TO 12.00 NOON
	D3 & E3 (DNI & GMZ)	11.30 AM TO 01.00 PM

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



  
**Dr. S. C. Kamate**  
 Principal


## STUDENTS' MENTORING / COUNSELING SHEET

Sem. I / E

IA-II


[illegible]

**Faculty**

  
HOD

  
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>	E&E Engg. Dept.
		Mentorship
		Mentors & Mentees list
		Odd Sem (2023-24)

**DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGG.**


Date: 18/01/2024

**List of Mentor and their Allotted Mentees**

All the faculty members (mentors) are informed to note their allotted mentees as given below. Further it is informed to call meeting of allotted mentees fortnightly, preferably Friday to discuss the issues related to academics and follow up until solution is arrived. The proceedings of mentorship meeting is to be submitted to the undersigned.

Sl. No.	Name of the Mentor	Sem	Mentees List			
			USN	Name	No. of Students	Staff Sign
01	Prof. S. D. Hirekodi	III	-DIP-	ANAND NINGAPPA HAKARE	15	
			-DIP-	BAHAVESH MAHESH MAJUKAR		
			-DIP-	BALAGOUDA BASAVARAJ PATIL		
			-DIP-	DARSHAN SURESH DEVARUSHI		
			-DIP-	KAVITA TAYI HARIJAN		
			-DIP-	MAHANANDA PUJARI		
		VII	2HN20EE011	NAKSHATRA B MAGADUM		
			2HN20EE012	PRAVIN M NAIK		
			2HN20EE013	RASHMI MALAGOUDANAVAR		
			2HN20EE014	SANIYA CHOUDARI		
			2HN20EE015	SIDDU MAHADEVAPPA KALLI		
			2HN20EE016	SIMARAN S ATTAR		
			2HN20EE017	SWAPNIL MALI		
			2HN20EE018	SWATI PADIPATIL		
			2HN21EE400	ANANT DADANNAVAR		
02	Prof. H. R. Zinage	III	-DIP-	NIKHIL BURALI	15	
			-DIP-	PALLAVI SHAMARANT		
			-DIP-	PANKAJ TERADALE		
			-DIP-	RANI HOSURKAR		
			-DIP-	ROHIT PATIL		
			-DIP-	RUTUJA CHOUGALA		
		VII	2HN20EE001	ABHINANDAN DODDANNAVAR		
			2HN20EE002	ADITYA RAJU CHOUGALE		
			2HN20EE003	AKASH BHAI RAPP AMATE		
			2HN20EE004	ANILAGOUDA I PATIL		
			2HN20EE005	ARALI YUGAL ANIL		
			2HN20EE007	JYOTI R BENAWADI		
			2HN20EE008	KUBER B PADANAD		
			2HN20EE009	MALAKARISIDDA METRI		
			2HN21EE401	MANIKANTH KADAKOL		
03	Prof. M. P. Yenagimath	III	-DIP-	SANATH M H	15	
			-DIP-	SUMEET PATIL		
			-DIP-	UTKALA CHALAWADI		
			-DIP-	VIJAY HIREKODI		
			-DIP-	YAGNESH DEVADIGA		
		V	2HN21EE001	AFIYA MULLA		
			2HN21EE002	AISHWARYA M KAMBLE		
			2HN21EE003	ARUN B GHATAGE		
			2HN21EE004	CHETAN RAJU MULIMANI		
			2HN21EE005	GANGA B TOTAD		
			2HN21EE006	GOURI PATALI		
			2HN21EE008	KAVYA GANAPTI KULLOLI		
			2HN21EE009	KEDAR SURESH BALINGE		
			2HN21EE010	KHADE SHITAL PUNDALIK		
			2HN21EE011	MOHAMMADDREHAN TAMBOLI		



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		Mentorship
		Mentors & Mentees list
		Odd Sem (2023-24)

Sl. No.	Name of the Mentor	Sem	Mentees List			
			USN	Name	No. of Students	Staff Sign
04	Prof. O. B. Heddurshetti	III	2HN22EE001	ABHAY KUMBHAR	15	
			2HN22EE002	AISHWARYA MALI		
			2HN22EE003	AKSHATA KURI		
			2HN22EE004	ASHWINI SHIRAGURE		
			2HN22EE005	ASHWINI SONDAKAR		
			2HN22EE006	BALAKRISHNA BHADAGANVKAR		
			2HN22EE007	BHAGYASHRI KULLOLI		
			2HN22EE008	BHUVANESHWARI KHOT		
			2HN22EE009	CHINNU S P		
			2HN22EE011	DARSHAN MUSTARAGI		
			2HN22EE012	GOURAMMA PATIL		
			2HN22EE013	KAKANDAKI SAKSHI		
			2HN22EE014	KAMATE SOUMYA		
			2HN22EE015	KARUNA REDEKAR		
			2HN22EE016	KEERTI KALMATH		
05	Prof. A. U. Neshti	III	2HN22EE017	LAXMAN MAGADUM	15	
			2HN22EE018	LAXMI RUMOJI		
			2HN22EE019	MOHAMMADHUZAIFA SHAIKH		
			2HN22EE020	NANDITHA M		
			2HN22EE021	NIKHIL SHIVAYOGIMATH		
			2HN22EE022	POOJA KHADAKBHAVI		
			2HN22EE023	POOJA HALINGALI		
			2HN22EE024	PRADNYA YENAGIMATH		
			2HN22EE025	PRATEEK BELAVI		
			2HN22EE026	PRATIK NALAVADE		
			2HN22EE027	PRUTHVIRAJ HEBBAALE		
			2HN22EE028	RADHIKA PATIL		
			2HN22EE029	RANI BHANDARE		
			2HN22EE030	RAYALINGESH SANADI		
			2HN22EE031	RUCHITA LALUGOL		
06	Prof. K. B. Negalur	III	2HN22EE032	RUDRAGOUDA PATIL	15	
			2HN22EE033	SAKSHI BHUSAGOL		
			2HN22EE034	SANGEETA KADADI		
			2HN22EE035	SANJEEVINI BELAGAGALI		
			2HN22EE036	SHASHANK DEVAGI		
			2HN22EE037	SHRIJAL HAJARE		
			2HN22EE038	SHWETA BORAGANVE		
			2HN22EE039	SHWETA SANGANNAVAR		
			2HN22EE040	SMRUTI HUBBALLI		
			2HN22EE041	SOUNDARYA KARANING		
			2HN22EE042	SUMIT KOLI		
			2HN22EE043	SUNIL HITTALAMANI		
			2HN22EE044	SUSHRUSHA PALKAR		
			2HN22EE045	SWATHI KORE		
			2HN22EE046	TANVI MALLEWADI		





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E&amp;E Engg. Dept.

Mentorship

Mentors &amp; Mentees list

Odd Sem (2023-24)

Sl. No.	Name of the Mentor	Sem	Mentees List			
			USN	Name	No. of Students	Staff Sign
07	Prof. S. G. Huddar	III	2HN22EE047	VIJAY GOUDRA	15	
			2HN22EE048	VINAYAK MANOMI		
			-DIP-	AFNAN MULLA		
			-DIP-	AMBIKA BHEEMANAIAK		
			-DIP-	ANAND ARASHANAGI		
		V	2HN21EE013	OMKAR D TELAVEKAR		
			2HN21EE014	POOJA B KUTAKOLI		
			2HN21EE015	PRATIK BHIKANNAVAR		
			2HN21EE016	RITIK RAIKAR		
			2HN21EE017	SAHANA A CHOUGALA		
			2HN21EE018	SANTOSH S NESARAGI		
			2HN21EE019	SATYAGOURA K PATIL		
			2HN21EE020	SHIVAM RAMESH METRI		
			2HN21EE021	SHREYAS B KOTAGI		
			2HN21EE022	SOUMYA HOSAPETI		
08	Prof. P. I. Savadatti	V	2HN21EE023	SUPREET RAJU GHASTI	12	
			2HN21EE024	SURAJ N SATWAR		
			2HN21EE025	SUSHIL R YADURI		
			2HN21EE026	SWATI M SUBHEDAR		
			2HN21EE027	VIVEK ANIL MALI		
			2HN22EE400	ABHISHEK KUDARE		
			2HN22EE401	ALOK MANE		
			2HN22EE402	MUKTAR SANADI		
			2HN22EE403	RAHUL BAMANE		
			2HN22EE404	SACHIN MALI		
			2HN22EE405	TAQDEER NAIKWADE		
			2HN22EE406	VRUSHABH PATIL		

  
 19.1.24  
 HOD
**Dr. B. V. Madiggond**

BE,ME,Ph.D.

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

Principal

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





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**Mech. Engg. Dept.**

**AIMSS**

**Activity Report**

**AY:2023-24**

## Activity Report

S.No.	Title of the information	Information in brief																																				
1	Identified Gap No/s.:	24 & 25																																				
2	Activity Type:	Technical Talk																																				
3	Activity/Event Organizer/s or Coordinator/s:	Dr. S. N. Topannavar, Professor and HOD, Mechanical Engineering Department, HSIT Nidasoshi																																				
4	Title of the Activity/Event:	Technical Talk on Entrepreneurship and IPR																																				
5	Date:	31-05-2024																																				
6	Venue:	EEE Open Theatre, D Block																																				
7	Objectives:	<ol style="list-style-type: none"><li>1. To develop and strengthen the entrepreneurial quality, motivate them for achievement, and to enable participants to be independent, capable, and promising engineers.</li><li>2. To make the trainees prepared to start their enterprise after the completion of the event.</li><li>3. To achieve greater efficiency in all aspects of their organization.</li><li>4. To Understand &amp; create public awareness about the benefits of Intellectual property among all sections of society.</li><li>5. To stimulate the creation and growth of intellectual property by undertaking relevant measures.</li><li>6. To create awareness about laws about IP rights, consistent with international obligations.</li></ol>																																				
8	Activity Outcomes:	<ol style="list-style-type: none"><li>1. Acquire skills, ideas and managerial abilities, and capacities of self-employment rather than being employed for pay.</li><li>2. Entrepreneurs are not only provided with opportunities that benefit themselves, but their work also develops the economy.</li><li>3. Enhance the market value of employment.</li><li>4. Turn ideas into profit-making assets.</li><li>5. Market your business' products and services.</li><li>6. Access or raise finance for marketing.</li><li>7. Enhance export opportunities for trade.</li></ol>																																				
9	Details of Resource Person/s with contact details:	Mr. Basavaprabhu Wasedar, 2004 Batch Alumnus & Development Head, KIA Motors Bangalore																																				
10	Finance Management:	Expenses incurred by the Department Association (AIMSS)																																				
11	No. of participants	Students: Boys : 61 & Girls :03 & Staff : 12																																				
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>PO1</td><td>3</td><td>90.25</td><td>2.707</td></tr><tr><td>PO6</td><td>3</td><td>90.25</td><td>2.707</td></tr><tr><td>PO7</td><td>2</td><td>90.25</td><td>2.707</td></tr><tr><td>PO8</td><td>3</td><td>90.25</td><td>2.707</td></tr><tr><td>PO9</td><td>3</td><td>90.25</td><td>2.707</td></tr><tr><td>PO10</td><td>3</td><td>90.25</td><td>2.707</td></tr><tr><td>PO11</td><td>3</td><td>90.25</td><td>2.707</td></tr><tr><td>PO12</td><td>3</td><td>90.25</td><td>2.707</td></tr></table>	PO mapped	Weight-age assigned (1/2/3)	%age of Attainment	Level of attainment	PO1	3	90.25	2.707	PO6	3	90.25	2.707	PO7	2	90.25	2.707	PO8	3	90.25	2.707	PO9	3	90.25	2.707	PO10	3	90.25	2.707	PO11	3	90.25	2.707	PO12	3	90.25	2.707
PO mapped	Weight-age assigned (1/2/3)	%age of Attainment	Level of attainment																																			
PO1	3	90.25	2.707																																			
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PO9	3	90.25	2.707																																			
PO10	3	90.25	2.707																																			
PO11	3	90.25	2.707																																			
PO12	3	90.25	2.707																																			



Nidasoshi, Taq: Hukkeri, Dist: Belgaum, Karnataka - 591 236

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Mech. Engg. Dept.

AIMSS

Activity Report

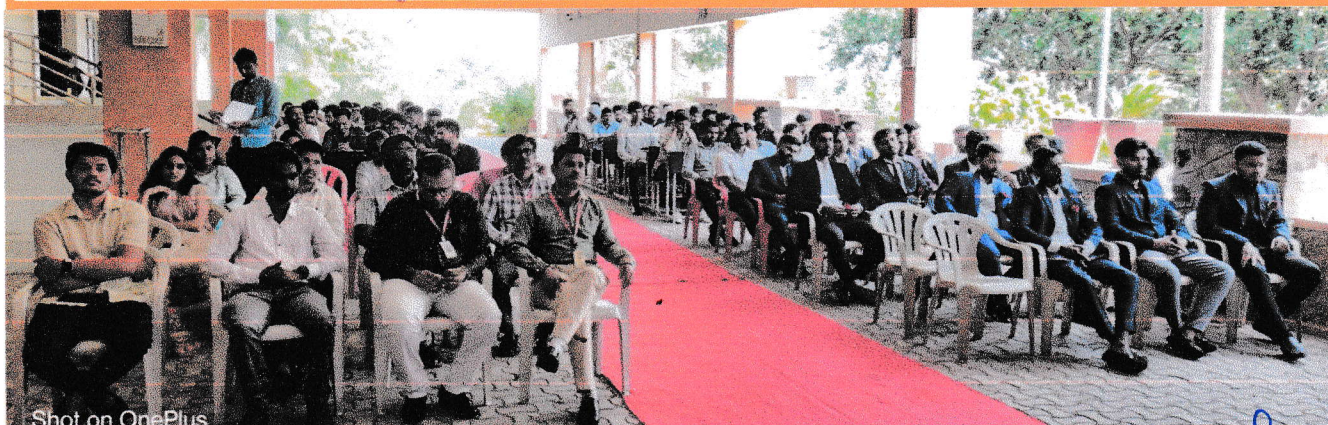
AY:2023-24

13	Outcomes achieved/Impact analysis:	The activity mapped with PO1, PO6 PO7, PO8, PO9, PO10, PO11 and PO12 was found satisfactory with attainment level of 2.707, 2.707, 2.707, 2.707, 2.707, 2.707, 2.707, and 2.707 against the Mapped values during the impact analysis.
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## Photo Gallery



Mr. Basavaprabhu Wasedar, 2004 Batch Alumnus & Development Head, KIA Motors Bangalore is delivering the talk on Entrepreneurship and IPR to students & staff on 31<sup>st</sup> May 2024.



Staff and students are attended the technical talk on Entrepreneurship and IPR held on 31<sup>st</sup> May 2024.

Mr. Akash R. Anajepatil  
AIMSS Secretary

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

Dr. S. N. Topannavar

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

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





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Activity Report

AY:2023-24

**Activity Report**

S.No.	Title of the information	Information in brief				
1	Identified Gap No/s.:	20				
2	Activity Type:	Industry Visit				
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:	Industry Visit at TATA HITACHI Construction Machinery Company Private Limited Dharwad- Karnataka				
5	Date:	23-03-2024				
6	Venue:	Dharwad- Karnataka				
7	Objectives:	<div>1. To under the working principles of excavator.</div> <div>2. To understand types of excavator.</div> <div>3. To understand design consideration of accessories.</div> <div>4. To understand the application and maintenance of excavator.</div> <div>5. To understand the assembly and application of excavator.</div>				
8	Activity Outcomes:	<div>1. Structural design for supporting excavations is required to safely construct foundations, deep basements, utilities, shafts, and tunnels.</div> <div>2. Excavators system is powered by a hydraulic pump, which generates the hydraulic pressure required to operate the hydraulic cylinders.</div> <div>3. Excavators are popular earthmoving vehicles that feature a bucket, arm, rotating cab and movable tracks. These components provide superior digging power and mobility, allowing this heavy equipment to perform a variety of functions, from digging trenches and breaking holes to lifting away waste and excavating mines.</div> <div>4. Many of today’s excavator attachments feature advanced sensors that provide data regarding soil conditions, the position of the attachment, and potential hazards.</div> <div>5. In an excavator, several key components require regular maintenance to ensure smooth and efficient operation: Engine: The engine is the powerhouse of the excavator. Regular maintenance of the engine includes oil and filter changes, fuel system inspections, and monitoring coolant levels.</div>				
9	Details of Resource Person/s with contact details:	Mr. Mukesh Choudhary, Customer Quality Assurance & Quality Planing Enginner, TATA HITACHI Construction Machinery Company Private Limited Dharwad- Karnataka				
10	Finance Management:	Expenses,incurred by the Department Association (AIMSS)				
11	No. of participants	Students: Boys: 21 & Staff: 02				
12	Mapped POs, Weight-age assigned & %age of attainment: PO (Weight-age)	PO mapped	Weight-age assigned (1/2/3)	%age of Attainment	Level of attainment	
		PO1	3	99.5	2.985	
		PO2	3	99.5	2.985	
		PO3	3	99.5	2.985	
		PO4	3	99.5	2.985	





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AIMSS

Activity Report

AY:2023-24

		PO5	3	99.5	2.985
		PO6	3	99.5	2.985
		PO7	3	99.5	2.985
		PO8	3	99.5	2.985
		PO9	3	99.5	2.985
		PO10	3	99.5	2.985
		PO11	3	99.5	2.985
		PO12	3	99.5	2.985
13	Mapped PSOs, Weight-age assigned & %age of attainment: PSO (Weight-age)	PSO mapped	Weight-age assigned (1/2/3)	%age of Attainment	Level of attainment
		PSO1	3	99.5	2.985
		PSO2	3	99.5	2.985
		PSO3	3	99.5	2.985
14	Outcomes achieved/Impact analysis:	<ol style="list-style-type: none"> <li>The activity mapped with PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, and PO11 &amp; PO12 was found satisfactory with an attainment level of 2.985 each against the Mapped values during the impact analysis.</li> <li>The activity mapped with PSO1, PSO2 &amp; PSO3 was found satisfactory with an attainment level of 2.985 each against the Mapped value during the impact analysis.</li> </ol>			

## Photo Gallery



Plant engineer briefing the about industry to the students at TATA HITACHI Construction Machinery Company Private Limited Dharwad- Karnataka held on 23<sup>rd</sup> March 2024.





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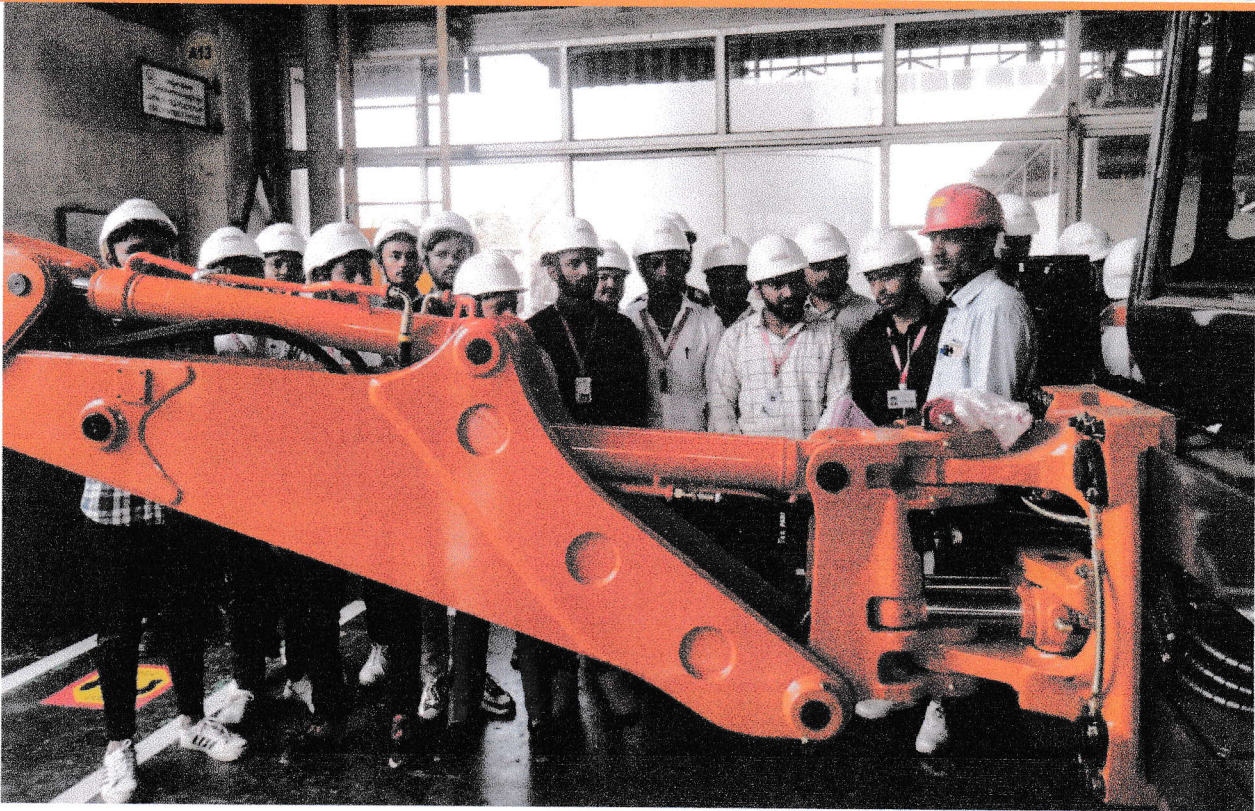
Accredited at 'A' Grade by NAAC & Programmes Accredited by NBA: CSE, ECE

Mech. Engg. Dept.

AIMSS

Activity Report

AY:2023-24



Plant Technician is explaining working of excavator to students at TATA HITACHI Construction Machinery Company Private Limited Dharwad- Karnataka held on 23<sup>rd</sup> March 2024.



Group photo of students and staff in the industry campus during industry visit at TATA HITACHI Construction Machinery Company Private Limited Dharwad- Karnataka held on 23<sup>rd</sup> March 2024.





S J P N Trust's

## Hirasugar Institute of Technology, Nidasoshi

*Inculcating Values, Promoting Prosperity*

Approved by AICTE, New Delhi, Permanently Affiliated to VTU Belagavi.

Recognized under 2(f) & 12 B of UGC Act, 1956

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

Mech. Engg. Dept.

AIMSS

Activity Report

AY:2023-24




Staff and students attended an industry visit at TATA HITACHI Construction Machinery Company Private Limited Dharwad- Karnataka held on 23<sup>rd</sup> March 2024.

Mr. Akash R. Anajepatil  
AIMSS Secretary

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

Dr. S. N. Topannavar  
HOD  
Mechanical Engg.  
HIT, Nidasoshi



	<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, Recognized by Govt. of Karnataka and Affiliated to VTU Belagavi.  <b>Accredited at 'A' Grade by NAAC</b>  <b>Programmes Accredited by NBA: CSE &amp; ECE.</b></p>		Institute
			HOD Meeting
			WARC
			2023-24 ODD Sem.

Ref. No.: HSIT/NDS/HOD-Meeting-14/2023-24

Date: 18.12.2023

## NOTICE

A meeting of all HODs is convened on 18.12.2023 in the office of the Principal at 3.30 pm.  
The agenda of the meeting are as below:

### Agenda:


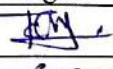




1. Review of weekly attendance & syllabus coverage of I Sem. (week No.13) III Sem. (week No.5) V Sem. (week No.3) & VII Sem. (week No.12).
2. Submission of e-affidavit for Anti Ragging by the students.
3. Clarification on 2022 scheme assignment structure
4. Any other matter with the permission of the chair.

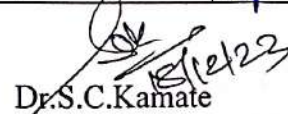


(Dr. S.N. Topannavar)  
IQAC Coordinator

S. N.	Minutes of Meeting	Staff In charge	Due Date	Remarks
1.	The average syllabus coverage/attendance of I, III, V & VII Semester is 87/86%, 25/81%, 21/75% & 90/80% respectively	All HODs	16.12.2023	
2.	All the HODs are requested to make arrangements for submission of e-affidavit for Anti Ragging by the students. Dean Student Welfare shall ensure timely compliance by all the concerned.	HODs & Dr.MGH	30.12.2023	
3.	The faculty members concerned to 2022 scheme of teaching shall adhere to the scheme guidelines while giving assignments for CIE-CCA. i.e. max.5 questions attaining RBTLs L3-L5 & advised to follow the HIT circular No. HSIT/NDS/Acad/2022-23/233 dt: 27-06-2023	All HODs	06.01.2024	
4.	The meeting concluded with vote of thanks to chair.			

### Members Present:

Name	Design.	Sign.	Name	Designation	Sign.
Dr. S.N. Topannavar	HOD-ME		Dr. K.B. Manawade	HOD-CS	
Dr. B.V. Madiggond	HOD-EE		Prof. S.M. Chandrakanth	HOD-CV	
Dr. Mallikarjun C	HOD-EC		Sri. M.P. Yenagimath	I-year coord.	

  
Dr. S.C. Kamate  
Principal





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ECE Dept.

Dept Office

Meeting

2023-24  
(Odd Sem.)

Ref. No: HSIT/NDS/ECE/Meeting/2023-24/7

Date: 05/12/2023

**DEPARTMENT MEETING**

A meeting of all staff members of ECE Dept. is convened on 05/12/2023 in the office of the Head of Department of Electronics & Communication Engineering at 04:00 p.m. The agenda of the meeting

**To discuss on:**

1. Organizing an STTP on "Full Stack Web Development" for 7<sup>th</sup> semester students.
2. Weekly Academic Review-Syllabus Coverage Update.
3. Submission of NAAC Documents to Criterion Coordinators.
4. 3<sup>rd</sup> Semester Class Strength Post Lateral Entry seat allotment

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

Sl. No.	Minutes of Meeting	Staff In- charge	Due Date
1	The Head of the department has discussed organizing a Short Term Training Program (STTP) for 7 <sup>th</sup> -semester students scheduled from 15/12/2024 to 18/12/2024. Mr. Shivaraj M. A. from IR Solutions Bengaluru has been finalized as the resource person for the STTP. The Head of the department has instructed coordinators to prepare the permission letter, circular to the students, invitation letter, and to make the necessary preparations.	Dr. S. S. Ittannavar Shri. K. S. Patil Smt. B. P. Khot Smt. S. R. Malluramath Coordinators	10/12/2023
2	The Head of the department has informed all faculty members that, as of Saturday, 2/12/2023, the average syllabus coverage for the 7 <sup>th</sup> semester up to week no. 9 is 66.2%, for the 5 <sup>th</sup> semester up to week no. 1 is 5.25%, and for the 3 <sup>rd</sup> semester up to week no. 3 is 13.1%.	All Faculty Members	Complete
3	The Head of the department has informed all faculty members to submit the required documents to the institute-level Criterion coordinators to facilitate the preparation of the NAAC Self-study Report.	All Faculty Members	Till NAAC SSR Submission
4	The Head of the department conveyed that a total of 9 seats have been allotted through the diploma lateral entry quota. Additionally, it was mentioned that the current class strength for the 3 <sup>rd</sup> semester is 66. The Head of the department has instructed Smt. B. P. Khot, the timetable coordinator, to prepare an additional class timetable for the lateral entry students to cover the syllabus that has already been covered for regular students.	3 <sup>rd</sup> semester handling Faculty & Smt. B. P. Khot Time table coordinator	15/12/2023
The meeting concluded with vote of thanks to chair.			

**Members Present:**

SSI	<i>[Signature]</i>	SSM	<i>[Signature]</i>	SSK	<i>[Signature]</i>	DMK	<i>[Signature]</i>	PVP	<i>[Signature]</i>	BPK	<i>[Signature]</i>	SRM	<i>[Signature]</i>
KSP	<i>[Signature]</i>												
PSD	<i>[Signature]</i>	VVG	<i>[Signature]</i>										

*[Signature]*  
Dr. M. C. Sarsamba  
Head of ECE Department

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

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

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