



Arka Educational & Cultural Trust (Regd.)

JAIN INSTITUTE OF TECHNOLOGY, DAVANGERE



(A Unit of Jain Group of Institutions, Bangalore)

Affiliated to VTU, Belagavi | Approved by AICTE, New Delhi

Recognized by Government of Karnataka

Department of Electronics & Communication Engineering



Encore

2022-2023 Technical Magazine



" The greatest glory in living lies not in Never falling,
but in Rising Every time we fall."

-Nelson Mandela

About the Department



Dr. Santosh Herur

HOD, Dept of ECE,
JIT, Davangere.

Department of Electronics and Communication was started in the year 2011-12. The department emphasizes on imparting advanced technical knowledge in various fields like signal processing, VLSI Technology, Embedded system, wireless technology, microwave engineering, optical communication, and microelectronics and control systems. Highly qualified, experienced and dedicated staff members are the backbone of the department. Well equipped, sophisticated, precision and state of the art laboratories are center of attraction in the campus. Another major strength of the department is its extensive collection of technical books, periodical and journals, ENCORE association of the department of E & CE aims at targeting innovations in the field of advanced communication and networking.

The Department has MOU with Karunadu Technologies Pvt. Ltd, Bengaluru, Abiyantrix, Soft Solutions, Davangere, Sai Tech, Mysore. The MOU organizations provide Internship training and conduct workshops on recent trends and organize seminars for the students to enhance their industrial exposure.

Editor's desk



Mrs. ANUSHA K
Assistant Professor
Dept. of ECE,
JIT, Davangere



Mr. SUNIL M
Assistant Professor
Dept. of ECE,
JIT, Davangere

*Warm greetings to the readers of **Encore!!***

We are pleased to share with you the Technical Magazine for the Academic year 2022-23. We express our considerable gratitude and appreciation to everyone who have contributed to this Newsletter magazine. These contributions have required a generous amount of time and effort. It is this willingness to share knowledge, concerns and special insights with fellow beings that has made this magazine possible.

Finally, we would like to conclude with these words "Learn from yesterday, live for today, hope for tomorrow. the important thing is not to stop questioning."- Albert Einstein Embrace each challenge in your life as an opportunity for self-transformation.

Happy reading

Thank you
ANUSHA .K
SUNIL .M

Vision of the Department

Endeavours to achieve academic excellence by providing value based education to meet the ever changing needs of the society.

Mission of the Department

- ❖ *To emphasize on student focus learning environment.*
- ❖ *To prepare graduates who surpass in the engineering career, qualified to acquire technical knowledge and ethical values.*
- ❖ *To provide a platform to inculcate team spirit and leadership qualities to succeed in professional Career.*

Program Specific Outcomes (PSOs)

- ❖ *PSO1: Analyze, simulate and design electronic and communication circuits for given specifications.*
- ❖ *PSO2: Design and test processor based systems*

Program Educational Objectives (PEOs)

- ❖ *PEO1: To create graduates with a strong base in Electronics & Communication Engineering.*
- ❖ *PEO2: To produce technically competent graduates with the ability to understand, analyze & develop electronic systems.*
- ❖ *PEO3: Ability to work with professional ethics and as a team member to realize the goals of the projects.*
- ❖ *PEO4: Excellence in professional career by attaining higher education.*

Institute Academic Calendar of Events

ODD SEMESTER



ARKA Educational & Cultural Trust (Regd.)
Jain Institute of Technology, Davanagere.

ACADEMIC CALENDER

V & VII SEMESTER D.E 2022-23 (SEPT 2022 - FEB 2023)

Commencement of Classes V: 10/10/2022

Last working day: 27/01/2023

Commencement of Classes VII: 19/09/2022

Last working day: 31/12/2022

MONTH	MON	TUE	WED	THU	FRI	SAT	SUN	EVENTS V Sem	EVENTS VII Sem	HOLIDAYS
SEPTEMBER 2022	19	20	21	22	23	24	25	22 nd - Talent show	19 th Commencement of classes	
	26	27	28	29	30					
OCTOBER 2022						1	2	10 th Commencement of classes	1 st Internal Assessment 20 th , 21 st & 22 nd	4 th - Ayudha pooja 5 th - Vijaya Dashami 24 th - Naraka Chaturdashi 26 th - Bali padyami
	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									
NOVEMBER 2022		1	2	3	4	5	6	1 st Internal Assessment 17 th , 18 th & 19 th 26 th - Parents meet I	5 th - Parents meet I 2 nd Internal Assessment 21 st , 22 nd & 23 rd	1 st - Kannada Rajyotsava 11 th - Kanakadasa Jayanthi
	7	8	9	10	11	12	13			
	14	15	16	17	18	19	20			
	21	22	23	24	25	26	27			
	28	29	30							
DECEMBER 2022				1	2	3	4	2 nd Internal Assessment 19 th , 20 th & 21 st 31 st - Parents meet II	10 th - Parents meet II Lab IA: 22 nd to 24 th 3 rd Internal Assessment 26 th , 27 th & 28 th	
	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				
JANUARY 2023							1	Lab IA: 19 th to 21 st 3 rd Internal Assessment 23 rd , 24 th & 25 th		14 th - Makara sankranti 26 th - Republic Day
	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					

Total No. of Working days for V Sem: 90

Total No. of Working days for VII Sem: 85

Internship for VII Sem

21-08-2022 To 17-09-2022

VTU ODD Semester Exams

Practical Exams for V Sem	30-01-2023 To 09-02-2023	Theory Exams	13-02-2023 To 18-03-2023
Practical Exams for VII Sem	03-01-2023 To 13-01-2023	Theory Exams	16-01-2023 To 15-02-2023

Holidays

Internal Assessment Tests

Parents Meeting

Co-ordinator
(Prof. Nataraja G)

Dean Academics
(Dr. Madhukeshwara N)

IQAC Director
(Dr. Santosh Herur)

Principal
(Dr. Ganesh D B)

Institute Academic Calendar of Events

ODD SEMESTER



ARKA Educational & Cultural Trust (Regd.)
Jain Institute of Technology, Davanagere.

ACADEMIC CALENDER

III SEMESTER B.E 2022-23 (SEPT 2022 – FEB 2023)

Commencement of Classes: 31/10/2022

Last working day: 11/02/2023

MONTH	MON	TUE	WED	THU	FRI	SAT	SUN	EVENTS	HOLIDAYS
OCTOBER 2022	10	11	12	13	14	15	16	11 th To 30 th ---Internship 28 th -Kotikanta Geetha gayana. 31 st Commencement of classes	24 th - Naraka chathurdashi 26 th -Bali padyami
	17	18	19	20	21	22	23		
	24	25	26	27	28	29	30		
	31								
NOVEMBER 2022		1	2	3	4	5	6		1 st - Kannada Rajyotsava 11 th -Kanakadasa Jayanthi
	7	8	9	10	11	12	13		
	14	15	16	17	18	19	20		
	21	22	23	24	25	26	27		
DECEMBER 2022	28	29	30					1 st Internal Assessment 1 st , 2 nd & 3 rd 10 th -Parents meet I	
	5	6	7	8	9	10	11		
	12	13	14	15	16	17	18		
	19	20	21	22	23	24	25		
JANUARY 2023	26	27	28	29	30	31		2 nd Internal Assessment 2 nd , 3 rd & 4 th 7 th -Parents meet II	14 th -Makara sankranthi 26 th -Republic Day
	2	3	4	5	6	7	8		
	9	10	11	12	13	14	15		
FEBRUARY 2023	16	17	18	19	20	21	22	Lab IA: 2 nd to 4 th 3 rd Internal Assessment 6 th , 7 th & 8 th	
	23	24	25	26	27	28	29		
	30	31							

Total No. of Working days for III Sem: 101

Internship for Lateral Entry Students

26-03-2023 To 16-04-2023

VTU ODD Semester Exams

Practical Exams

13-02-2023 To 21-02-2023

Theory Exams

22-02-2023 To 22-03-2023

Holidays

Internal Assessment Tests

Parents Meeting

Coordinator
(Prof. Nataraja G)

Dean Academics
(Dr. Madhukeshwara N)

IQAC Director
(Dr. Santosh Herur)

Principal
(Dr. Ganesh D B)

Department Academic Calendar of Events

ODD SEMESTER



ARKA Educational & Cultural Trust (Regd.)
JGI Jain Institute of Technology, Davanagere.
 (A Unit of Jain Group of Institutions, Bangalore)
Department of Electronics & Communication Engineering

DEPARTMENT CALENDER

V & VII SEMESTER B.E 2022-23 (SEPT 2022 – FEB 2023)

Commencement of Classes V: 10/10/2022
 Commencement of Classes VII: 19/09/2022

Last working day: 27/01/2023
 Last working day: 31/12/2022

MONTH	MON	TUE	WED	THU	FRI	SAT	SUN	EVENTS V Sem	EVENTS VII Sem	HOLIDAYS
SEPTEMBER 2022	19	20	21	22	23	24	25	22 nd –Talent show	19 th Commencement of classes	
	26	27	28	29	30					
OCTOBER 2022						1	2	10 th Commencement of classes	1 st Internal Assessment 20 th , 21 st & 22 nd 2 nd week - Forum activity Freshers Day	4 th –Ayudha pooja 5 th –Vijaya Dashami 24 th – Naraka Chaturdashi 26 th –Bali padyami
	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			
NOVEMBER 2022	31							1 st Internal Assessment 17 th , 18 th & 19 th 26 th –Parents meet I 1 st week - Forum activity	5 th –Parents meet I 2 nd Internal Assessment 21 st , 22 nd & 23 rd 2 nd week - Forum activity	1 st – Kannada Rajyotsava 11 th –Kanakadasa Jayanthi
	7	8	9	10	11	12	13			
	14	15	16	17	18	19	20			
	21	22	23	24	25	26	27			
	28	29	30							
DECEMBER 2022				1	2	3	4	2 nd Internal Assessment 19 th , 20 th & 21 st 31 st –Parents meet II 1 st week - Forum activity	10 th –Parents meet II Lab IA: 22 nd to 24 th 3 rd Internal Assessment 26 th , 27 th & 28 th 2 nd week - Forum activity	
	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				
JANUARY 2023							1	Lab IA: 19 th to 21 st 3 rd Internal Assessment 23 rd , 24 th & 25 th		14 th –Makara sankranti 26 th –Republic Day
	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					

Total No. of Working days for V Sem: 90			
Total No. of Working days for VII Sem: 85			
Internship for VII Sem		21-08-2022 To 17-09-2022	
VTU ODD Semester Exams			
Practical Exams for V Sem	30-01-2023 To 09-02-2023	Theory Exams	13-02-2023 To 18-03-2023
Practical Exams for VII Sem	03-01-2023 To 13-01-2023	Theory Exams	16-01-2023 To 15-02-2023

Holidays	Parents Meeting
Internal Assessment Tests	

Academic Co-ordinator
 (Prof. Savita Mamadapur)

IQAC Director
 (Dr. Santosh Herur)

Principal
 (Dr. Ganesh D B)

Department Academic Calendar of Events

ODD SEMESTER



ARKA Educational & Cultural Trust (Regd.)
Jain Institute of Technology, Davanagere.
(A Unit of Jain Group of Institutions, Bangalore)
Department of Electronics & Communication Engineering

DEPARTMENT CALENDER

III SEMESTER B.E 2022-23 (SEPT 2022 – FEB 2023)

Commencement of Classes: 31/10/2022

Last working day: 11/02/2023

MONTH	MON	TUE	WED	THU	FRI	SAT	SUN	EVENTS	HOUDAYS
OCTOBER 2022	10	11	12	13	14	15	16	11 th To 30 th ---Internship 28 th -Kotikanta Geetha gayana 31 st Commencement of classes	24 th - Naraka chaturdashi 26 th -Bali padyami
	17	18	19	20	21	22	23		
	24	25	26	27	28	29	30		
	31								
NOVEMBER 2022		1	2	3	4	5	6	1 st or 2 nd week - Forum activity Freshers day	1 st - Kannada Rajyotsava 11 th -Kanakadasa Jayanthi
	7	8	9	10	11	12	13		
	14	15	16	17	18	19	20		
	21	22	23	24	25	26	27		
DECEMBER 2022				1	2	3	4	1 st Internal Assessment 1 st , 2 nd & 3 rd 10 th -Parents meet I 2 nd or 3 rd week - Forum activity	
	5	6	7	8	9	10	11		
	12	13	14	15	16	17	18		
	19	20	21	22	23	24	25		
JANUARY 2023							1	2 nd Internal Assessment 2 nd , 3 rd & 4 th 7 th -Parents meet II 2 nd or 3 rd week - Forum activity	14 th -Makara sankranti 26 th -Republic Day
	2	3	4	5	6	7	8		
	9	10	11	12	13	14	15		
	16	17	18	19	20	21	22		
FEBRUARY 2023								Lab IA: 2 nd to 4 th 3 rd Internal Assessment 6 th , 7 th & 8 th	
	23	24	25	26	27	28	29		
	30	31							
	6	7	8	9	10	11	12		

Total No. of Working days for III Sem: 101

Internship for Lateral Entry Students		26-03-2023 To 16-04-2023	
VTU ODD Semester Exams			
Practical Exams	13-02-2023 To 21-02-2023	Theory Exams	22-02-2023 To 22-03-2023
	Holidays		Parents Meeting
	Internal Assessment Tests		

Academic Co-ordinator
(Prof. Savita Mamadapur)

IQAC Director
(Dr. Santosh Herur)

Principal
(Dr. Ganesh D B)

Institute Academic Calendar of Events

EVEN SEMESTER



ARKA Educational & Cultural Trust (Regd.)
Jain Institute of Technology, Davanagere.
323, Near VeereshwaraPonyashrama, Avaragere, Davanagere- 577005.



ACADEMIC CALENDAR

VIII SEMESTER B.E 2022-23 (FEB 2023 – MAY 2023)

Commencement of Classes: 13/02/2023

Last working day: 13/05/2023

MONTH	MON	TUE	WED	THU	FRI	SAT	SUN	EVENTS	HOLIDAYS
FEBRUARY	13	14	15	16	17	18	19	13 th - Commencement of Classes 25 th - National Science Day	18 th - Maha shivaratri
	20	21	22	23	24	25	26		
	27	28							
MARCH			1	2	3	4	5	1 st Internal Assessment 13 th , 14 th & 15 th 18 th - Graduation Day 20 th - Ethnic Day & Shrunga Inauguration. 24 th - Sports Day 25 th - Shrunga	22 nd - Ugadi
	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				
APRIL						1	2	2 nd Internal Assessment 10 th , 11 th & 12 th 15 th - Parents meet	3 rd - Mahavir jayanthi 7 th - Good Friday 14 th - Ambedkar jayanthi 22 nd - Ramzan Id
	3	4	5	6	7	8	9		
	10	11	12	13	14	15	16		
	17	18	19	20	21	22	23		
MAY	24	25	26	27	28	29	30	6 th - Farewell 3 rd Internal Assessment 11 th , 12 th & 13 th	1 st - Labour's day
	1	2	3	4	5	6	7		
	8	9	10	11	12	13			

Total Number of Working days :71

VTU EVEN SEMESTER EXAMS

Practical Exams	05-06-2023 To 13-06-2023	Theory Exams	16-05-2023 To 01-06-2023
	Holidays		Parents Meeting
	Internal Assessment Tests		

Co-ordinator
(Prof. Nataraja G)

Dean Academics
(Dr. Madhukeshwara N)

IQAC Director
(Dr. Santosh Herur)

Principal
(Dr. Ganesh D B)

Institute Academic Calendar of Events

EVEN SEMESTER



ARKA Educational & Cultural Trust (Regd.)
Jain Institute of Technology, Davanagere.
323, Near VeereshwaraPunyashrama, Avaragere, Davanagere- 577005.



ACADEMIC CALENDAR

VI SEMESTER B.E 2022-23 (MARCH 2023 – JULY 2023)

Commencement of Classes: 20/03/2023

Last working day: 10/07/2023

MONTH	MON	TUE	WED	THU	FRI	SAT	SUN	EVENTS	HOLIDAYS
MARCH	20	21	22	23	24	25	26	20 th -Commencement of Classes 20 th -Ethnic Day , 24 th -Sports Day, 25 th -Shrunga	22 nd - Ugadi
	27	28	29	30	31				
APRIL	3	4	5	6	7	8	9	1 st Internal Assessment 24 th , 25 th & 26 th 29 th -Parents meet-I	1 st - 1 st Saturday 3 rd - Mahavir jayanthi 7 th - Good Friday 14 th - Ambedkar Jayanthi 15 th - 3 rd Saturday 22 nd - Ramzan Id
	10	11	12	13	14	15	16		
	17	18	19	20	21	22	23		
	24	25	26	27	28	29	30		
MAY	1	2	3	4	5	6	7	2 nd Internal Assessment 29 th , 30 th & 31 st	1 st - Labour's day 6 th - 1 st Saturday 20 th - 3 rd Saturday
	8	9	10	11	12	13	14		
	15	16	17	18	19	20	21		
	22	23	24	25	26	27	28		
JUNE	29	30	31					10 th -Parents meet-II	3 rd - 1 st Saturday 17 th - 3 rd Saturday 29 th -Bakrid
	5	6	7	8	9	10	11		
	12	13	14	15	16	17	18		
	19	20	21	22	23	24	25		
JULY	26	27	28	29	30			Lab IA- 3 rd to 5 th 3 rd Internal Assessment 6 th , 7 th & 8 th	1 st - 1 st Saturday
	3	4	5	6	7	8	9		
	10								

Total Number of Working days : 83

Internship: 4 weeks (Upto 09-09-2023)

VTU EVEN SEMESTER EXAMS

Practical Exams	11-07-2023 To 21-07-2023	Theory Exams	24-07-2023 To 12-08-2023
	Holidays		Parents Meeting
	Internal Assessment Tests		

Co-ordinator
(Prof. Nataraja G)

Dean Academics
(Dr. Madhukeshwara N)

IQAC Director
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(Dr. Ganesh D B)

Institute Academic Calendar of Events

EVEN SEMESTER



ARKA Educational & Cultural Trust (Regd.)
Jain Institute of Technology, Davanagere.
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ACADEMIC CALENDAR

IV SEMESTER B.E 2022-23 (MAY 2023 – SEPTEMBER 2023)

Commencement of Classes: 05/06/2023

Last working day: 16/09/2023

MONTH	MON	TUE	WED	THU	FRI	SAT	SUN	EVENTS	HOLIDAYS
JUNE	5	6	7	8	9	10	11	5th – Commencement of Classes	17 th – 3 rd Saturday 29 th – Bakrid
	12	13	14	15	16	17	18		
	19	20	21	22	23	24	25		
	26	27	28	29	30				
JULY						1	2	1 st Internal Assessment 6 th , 7 th & 8 th 22 nd – Parents meet I	1 st – 1 st Saturday 15 th – 3 rd Saturday 29 th – Moharam
	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		
AUGUST	31							2 nd Internal Assessment 7 th , 8 th & 9 th 12 th – Parents meet II	5 th – 1 st Saturday 15 th – Independence day 19 th – 3 rd Saturday
	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					
SEPTEMBER					1	2	3	3 rd Internal Assessment 11 th , 12 th & 13 th Lab IA – 7 th to 9 th	2 nd – 1 st Saturday 16 th – 3 rd Saturday
	4	5	6	7	8	9	10		
	11	12	13	14	15	16			

Total Number of Working days : 80

VTU EVEN SEMESTER EXAMS

17-05-2023 To 03-06-2023

INTERNSHIP

Practical Exams	19-09-2023 To 30-09-2023	Theory Exams	03-10-2023 To 20-10-2023
	Holidays		Parents Meeting
	Internal Assessment Tests		

Co-ordinator
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Department Academic Calendar of Events

EVEN SEMESTER



ARKA Educational & Cultural Trust (Regd.)
Jain Institute of Technology, Davanagere.
323, Near VeereshwaraPunyashrama, Avaragere, Davanagere- 577005.



DEPARTMENT ACADEMIC CALENDAR VIII SEMESTER B.E 2022-23 (FEB 2023 – MAY 2023)

Commencement of Classes: 13/02/2023

Last working day: 13/05/2023

MONTH	MON	TUE	WED	THU	FRI	SAT	SUN	EVENTS	HOLIDAYS
FEBRUARY	13	14	15	16	17	18	19	13 th – Commencement of Classes	18 th – Maha shivaratri
	20	21	22	23	24	25	26	28 th – National Science Day	
	27	28						Last week – Forum Activity Placement Activity	
MARCH			1	2	3	4	5	First week – Industry visit	22 nd – Ugadi
	6	7	8	9	10	11	12	1 st Internal Assessment - 13 th , 14 th & 15 th	
	13	14	15	16	17	18	19	2 nd Week - Forum Activity	
	20	21	22	23	24	25	26	Third week – Internship Seminar	
	27	28	29	30	31			18 th – Graduation Day 20 th – Ethnic Day & Shrunga Inauguration. 24 th – Sports Day 25 th – Shrunga Last week – Technical Seminar	
APRIL						1	2	First week – Project phase-2 seminar	3 rd – Mahavir jayanthi 7 th – Good Friday 14 th – Ambedkar Jayanthi 22 nd – Ramzan Id
	3	4	5	6	7	8	9	2 nd Internal Assessment	
	10	11	12	13	14	15	16	10 th , 11 th & 12 th	
	17	18	19	20	21	22	23	15 th – Parents meet	
MAY	24	25	26	27	28	29	30	Last week - Project phase-3	1 st – Labour's Day
	1	2	3	4	5	6	7	6 th – Farewell	
	8	9	10	11	12	13		1 st Week – Photo Session 3 rd Internal Assessment 11 th , 12 th & 13 th	

Total Number of Working days :71

VTU EVEN SEMESTER EXAMS			
Practical Exams	05-06-2023 To 13-06-2023	Theory Exams	16-05-2023 To 01-06-2023
	Holidays		Parents Meeting
	Internal Assessment Tests		

Academic Co-ordinator
(Prof. Savita Mamadapur)

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Department Academic Calendar of Events

EVEN SEMESTER



ARKA Educational & Cultural Trust (Regd.)

JGI Jain Institute of Technology, Davanagere.

323, Near VeereshwaraPunyashrama, Avaragere, Davangere- 577005.



ACADEMIC CALENDAR

VI SEMESTER B.E 2022-23 (MARCH 2023 – JULY 2023)

Commencement of Classes: 20/03/2023

Last working day: 10/07/2023

MONTH	MON	TUE	WED	THU	FRI	SAT	SUN	EVENTS	HOLIDAYS
MARCH	20	21	22	23	24	25	26	20 th – Commencement of Classes 20 th – Ethnic Day, 24 th – Sports Day, 25 th – Shrunga	22 nd – Ugadi
	27	28	29	30	31				
APRIL	3	4	5	6	7	8	9	2 nd week – Forum Activity 1 st Internal Assessment 24 th , 25 th & 26 th 29 th – Parents meet-I	1 st – 1 st Saturday 3 rd – Mahavir jayanthi 7 th – Good Friday 14 th – Ambedkar Jayanthi 15 th – 3 rd Saturday 22 nd – Ramzan Id
	10	11	12	13	14	15	16		
	17	18	19	20	21	22	23		
	24	25	26	27	28	29	30		
MAY	1	2	3	4	5	6	7	2 nd Internal Assessment 29 th , 30 th & 31 st 2 nd week – Forum Activity	1 st – Labour's day 6 th – 1 st Saturday 20 th – 3 rd Saturday
	8	9	10	11	12	13	14		
	15	16	17	18	19	20	21		
	22	23	24	25	26	27	28		
JUNE	29	30	31					2 nd – International Conference ICEI-2023 10 th – Parents meet-II 2 nd week – Forum Activity 4 th week – Technical Fest	3 rd – 1 st Saturday 17 th – 3 rd Saturday 29 th – Bakrid
	5	6	7	8	9	10	11		
	12	13	14	15	16	17	18		
	19	20	21	22	23	24	25		
JULY	26	27	28	29	30			Lab IA – 3 rd to 5 th 3 rd Internal Assessment 6 th , 7 th & 8 th 2 nd week – Forum Activity	1 st – 1 st Saturday
	3	4	5	6	7	8	9		
	10								

Total Number of Working days : 83

Internship: 4 weeks (Upto 09-09-2023)

VTU EVEN SEMESTER EXAMS

Practical Exams	11-07-2023 To 21-07-2023	Theory Exams	24-07-2023 To 12-08-2023
	Holidays		Parents Meeting
	Internal Assessment Tests		

Academic Co-ordinator
(Prof. Savita Mamadapur)

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Department Academic Calendar of Events

EVEN SEMESTER



ARKA Educational & Cultural Trust (Regd.)
Jain Institute of Technology, Davanagere.
323, Near VeereshwaraPunyashrama, Avaragere, Davanagere- 577005.



DEPARTMENT ACADEMIC CALENDAR

IV SEMESTER B.E. 2022-23 (MAY 2023 – SEPTEMBER 2023)

Commencement of Classes: 05/06/2023

Last working day: 16/09/2023

MONTH	MON	TUE	WED	THU	FRI	SAT	SUN	EVENTS	HOLIDAYS
JUNE	5	6	7	8	9	10	11	5th –Commencement of Classes 2 nd week – Forum Activity 4 th week – Technical Fest	17 th – 3 rd Saturday 29 th –Bakrid
	12	13	14	15	16	17	18		
	19	20	21	22	23	24	25		
	26	27	28	29	30				
JULY						1	2	1 st Internal Assessment 6 th , 7 th & 8 th 22 nd –Parents meet I 2 nd week – Forum Activity	1 st – 1 st Saturday 15 th – 3 rd Saturday 29 th – Moharam
	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		
AUGUST		1	2	3	4	5	6	2 nd Internal Assessment 7 th , 8 th & 9 th 12 th –Parents meet II 2 nd week – Forum Activity	5 th – 1 st Saturday 15 th – Independence day 19 th – 3 rd Saturday
	7	8	9	10	11	12	13		
	14	15	16	17	18	19	20		
	21	22	23	24	25	26	27		
SEPTEMBER	28	29	30	31				3 rd Internal Assessment 11 th , 12 th & 13 th Lab IA-7 th to 9 th	2 nd – 1 st Saturday 16 th – 3 rd Saturday
	4	5	6	7	8	9	10		
	11	12	13	14	15	16			

Total Number of Working days : 80

VTU EVEN SEMESTER EXAMS

INTERNSHIP		17-05-2023 To 03-06-2023	
Practical Exams	19-09-2023 To 30-09-2023	Theory Exams	03-10-2023 To 20-10-2023
	Holidays		Parents Meeting
	Internal Assessment Tests		

Academic Co-ordinator
(Prof. Savita Mamadapur)

IQAC Director
(Dr. Santosh Herur)

Principal
(Dr. Ganesh D B)

TECH TALK

Deduction of Harmonics in Power Quality Improvement

Introduction:

In the realm of electrical engineering, power quality is a pivotal aspect that impacts both the performance and longevity of electrical systems. An essential component of power quality management is the reduction of harmonics, which are distortions in voltage and current waveforms from their standard sinusoidal shape. This report discusses the significance of harmonics deduction, the challenges posed by these distortions, and the techniques employed to mitigate their effects on electrical networks.

Keywords: Harmonics, Power Quality, Harmonic Filter, Total Harmonic Distortion

The Significance of Harmonics in Power Systems

Harmonics in power systems are primarily generated by non-linear loads such as variable frequency drives, computers, fluorescent lighting, and other electronic devices. These harmonics can cause a variety of issues including overheating of transformers, interference in communication lines, increased losses in power systems, and malfunctioning of sensitive equipment. The deduction of these harmonics is therefore crucial for improving the reliability and efficiency of power systems.

Impact of Harmonics on Power Quality

The presence of harmonics in power systems leads to poor power quality, which can manifest in several ways:

Increased Operational Costs: Equipment inefficiencies and higher energy consumption due to harmonics lead to increased operational costs.

Equipment Damage: Prolonged exposure to high levels of harmonics can cause physical damage to power transformers and capacitors, which often leads to costly repairs and downtime.

Techniques for Harmonics Reduction

To address the challenges posed by harmonics, several techniques have been developed:

1. Harmonic Filtering

Passive Filters: These are tuned to specific harmonic frequencies and are used to reduce the amplitude of those frequencies through resonance absorption.

Active Filters: Active filters dynamically adjust to varying harmonic levels and provide compensation by generating inverse harmonics to effectively neutralize the unwanted frequencies.

2. Use of PWM Inverters

PWM (Pulse Width Modulation) inverters help in controlling the output voltage and current precisely, thereby reducing the generation of harmonics at the source itself.

3. Phase Shifting Transformers

These transformers are used to cancel out certain harmonic orders by shifting the phase of the harmonics, thus improving the overall power quality.

Challenges in Harmonic Reduction

While technology exists to mitigate harmonics, several challenges remain:

Cost: High initial investment in harmonic filtering equipment and technology can be a deterrent for small to medium enterprises.

Maintenance: Ongoing maintenance and monitoring of harmonic filtering systems are required to ensure they operate effectively and efficiently.

Technological Integration: Integrating new technologies with existing systems can be complex and requires skilled professionals.

Conclusion

The deduction of harmonics is a critical factor in enhancing power quality in modern electrical networks. Through a combination of advanced technology and strategic system design, significant improvements in power quality can be achieved. The implementation of effective harmonic mitigation techniques not only extends the lifespan of electrical components but also ensures compliance with international power quality standards, thereby safeguarding sensitive equipment and reducing operational costs. As technology evolves, ongoing research and development in the area of harmonics deduction will continue to play a vital role in addressing the dynamic challenges posed by power quality issues.

By focusing on strategies such as harmonic filtering, system design improvements, and the use of advanced equipment, industries can ensure a stable, efficient, and reliable power supply. This not only enhances operational efficiency but also contributes to sustainable energy practices across the globe.

***Mr. Ravi Rayappa**
Assistant Professor
Dept. of ECE.*

FACULTY PROJECT PROPOSAL SUBMITTED FOR KSCST-FPP 2022-23.

Department of Electronics and Communication Engineering have successfully submitted **Two Project Proposals** for the KSCST Faculty Project Programme(FPP) under Science, Technology and Innovation(STI) Interventions in the state. The details are as follows:

1. Project Proposal titled **“DESIGN AND IMPLEMENTATION OF SMART WEARABLE DEVICES FOR HEALTH CARE”** was submitted.

Principal Investigator : **Mr. Ravikumar K. I**, Assistant Professor, Dept. of ECE

Co-Investigator-1 : **Mr. Ravi Rayappa**, Assistant Professor, Dept. of ECE

Co-Investigator-2 : **Ms. Anusha K**, Assistant Professor, Dept. of ECE

- 2 Project Proposal titled **“IMPLEMENTATION OF FACIAL ANALYSIS OF THE PERSON AND MOOD DETECTION FOR LAW ENFORCEMENT AND SOCIAL WELLBEING USING MACHINE LEARNING TECHNIQUES”** was submitted.

Principal Investigator : **Dr. Santosh Herur**, HOD, Dept. of ECE

Co-Investigator-1 : **Mr. Sharanabasaveshwara H B**, Assistant Professor, Dept. of ECE

Co-Investigator-2 : **Dr. Santosh M. Nejekar**, HOD, Dept. of EEE.



*Happiness often sneaks in through a door you
Didn't know you left open.*

Sir Mokshagundam Visvesvaraya

Faculty Participation at ATAL FDP



Image of ATAL FDP on Intelligent Schemes for Cyber Security.

A Two weeks **ATAL FDP on Intelligent Schemes for Cyber Security** has been organized by Dept. of Computer Science & Engineering, University B D T College of Engineering, Davangere from 05-09-2022 to 10-09-2022 in Online mode and from 12-09-2022 to 16-09-2022 in offline mode. **Mr. Ravikumar K I** and **Mrs. Savitra Totad**, Assistant Professor, Dept. of ECE has successfully attended the FDP.

INTRA INSTITUTE INTERNSHIP PROGRAM



Images of Intra Institute Internship Program.

A Sessions on Document and Poster Preparation, MS Excel, ICT and Computer and its parts, Google forms creation & MOOCs & its applications, Basics of VLSI Design, was conducted in the Department of Electronics and Communication Engineering for the 2nd year students as a part of their Internship training. **Mrs. Pushpalatha O**, Assistant Professor, **Mr. Ravikumar K I**, Assistant Professor, **Mr. Sharanabasaveshwara H B**, Assistant professor, **Dr.**

Mahantesh Mattada, Associate professor, Dept. of ECE were the Resource Persons for the Sessions.

A Session on **Fundamentals of C Programming, Basics of Embedded Systems, Introdcution to Arduino and Its Programming, Hardware Circuit Interfacing using Arduino Programming, Hardware Interfacing with Arduino and Mini Projects** was conducted by **Abeyantrix Softlab (OPC) Pvt. Ltd.** Davanagere, in the Department of Electronics and Communication Engineering for the 2nd year students as a part of their intersnhip training. **Mr. Shivaraj V. S** Product Application manager, **Mr. Mantesh Shirur** Senior Embbeded engineers, **Ms. Shrilakshmi S. R** Software Trainee Associate were the Resource Person for the Session. They enumarated on the features and uses of C programming. **LED Interface, Multiple LED interfacing, Buzzer Interface, Switch with Buzzer and LED interface, LCD, IR Sensor, Fire Sesnor. Relay Interfacing, Motor Interfacing using Arduino, Mini Projects on line follower Robot and Smart light using LDR.** A total of 50 students attended the session. This was followed by a practical session conducted by **Resource Persons** Abeyantrix Softlab OPC Pvt. Ltd., Davanagere.



Images of Intra Institute Internship Program.

INDUSTRIAL VISIT



Images of Industrial Visit

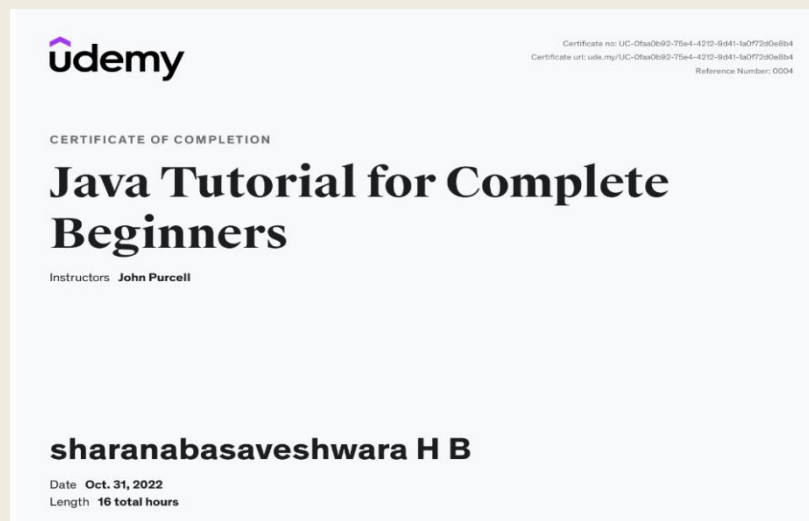
The Department of E & C E students and faculty members **Prof. Pushpalatha.O, Prof. Ravikumar K. I, and Prof. Sharanabasaveshwara H B** visited **Abeyantrix Softlab (OPC) Pvt. Ltd.** Davangere. The industrial visit is a part of the second-year students internship training. The session's resource persons were **Ms. Kavya N. C. and Ms. Shrilakshmi S. R.** software trainee associate. They presented information about the **Abeyantrix Softlab Company, Service Specifications, Emerging Technologies, the Industry Work Environment and Employment Prospects** associated to E & C E. 57 students in all were present for the visit.

Campus Placement



The final year student of ECE Department, **Ms. Trupthi G G** has been recruited for the company **Mu Sigma** with a package of **5LPA**. Hearty congratulations and best wishes from College Management, Principal, Placement officer, HOD, Placement Coordinator, Teaching and Non-teaching staff members.

Faculty Participation



Mr. Sharanabasaveshwara H B, Assistant Professor, Dept. of ECE, Jain Institute of Technology has participated and obtained the udemy (MOOCs - Massive Open Online Courses) certification in "JAVA TUTORIAL FOR COMPLETE BEGINNERS".

A Social Initiative by forum ENCORE



Images of Social Initiative

The final year students of the department of ECE and Forum ENCORE took social initiative to distribute daily use kits to the differently abled students at Veereshwara Punyashrama. **Dr.Ganesh D B**, Principal & Director, JIT, Davangere, **Dr. Santosh Herur**, HOD, Dept. of ECE and all the final year students and faculty members of ECE were joined hands for this social activity.

FORUM ACTIVITY : CIRCUIT MANIA



Images of Circuit Mania.

The ECE Forum **ENCORE** initiative **Circuit Mania** was conducted on 3rd November 2022 in association with ISTE, JIIT, Davangere for 5th Semester students. **Prof. Sharanabasaveshwara H B**, Forum Coordinator, Dept. of ECE conducted the event. There were a total of 54 participants, divided into 9 teams and each team was assigned with 5 mini-projects, namely: Touch Sensor, Automatic night light, Water level indicator, Darkness sensor and LED Blinker. All the students actively participated in the event. **Dr. Ganesh D B**, Principal & Director, JIIT, Davangere and **Dr. Santosh Herur**, HOD, Dept. of ECE evaluated the mini projects and appreciated their enthusiasm to learn new things.

Listen To a Story



Images of Listen to a story

Forum activity on Listen to a story in 10 minutes on “**Lazy Portado**” by Mrs. Sudhamurthy and **Analytical Fun Game Ludo King** was conducted for the III semester students of ECE Department by Mr. Sharanabasaveshwara H B, Forum Coordinator. A total of 40 students participated in the event. There were a group of 4 students each and 10 groups were formed. The groups received I, II and III places. Below are the few images of the event.

Faculty Achievement



Mr. Ravikumar K I, Assistant Professor, Dept. of ECE has successfully published a Research Paper titled” **Memristor based object detection using neural network**” in **ELSEVIER** Journal on 23rd November 2022.

Activity on Plantation & Adoption of a Tree (21UH36)



Images of Plantation & Adoption of a Tree

JIT, Organized Activity on Plantation and Adoption of a Tree to the 2nd Year Students of JIT as per VTU curriculum on 26/11/2022. **Dr. Santosh Herur**, Associate Professor & Head of E&C Department Enlightened the students regarding Social connect and Responsibility Subject as per VTU Syllabus.

Chief guest Mr. Darshan Naik L R, Range Forest Officer, Davangere Social Forestry Range, delivered a speech and Presentation on Different species of Trees and its advantages on Society and Health. **Dr. Ganesh D B**, Principal and Director of Jain Institute of Technology, Davangere, Addressed the students with his precedential speech. NSS Program officer **Veeresh Kumar K S**, Program Organisers **Sharan H B**, **Rajeshwari H M**, E&C Department, Heads of all Departments, Faculties and Students were present in the Program.

FACULTY PARTICIPATION



Mrs. Savitra C T and **Mrs. Savita Mamadapur**, Assistant Professor, Dept. of ECE attended Two week AICTE ATAL Online & Offline FDP on “**Computational Intelligence Enabled Sensors and Networks for 5G/6G Wireless Communication**” At JNNCE, Shivmogga from 14th to 25th November.

FACULTY PARTICIPATION



Mr. Sharanabasaveshwara H B, Assistant Professor, Dept. of ECE has participated and successfully completed 5 days FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from 7th to 11th November 2022.

Interactive Session For First Year Students



Images of Interactive Session for first year students

An Interactive Session for first year students was arranged in the Department of ECE. **Dr. Santosh Herur**, HOD, Dept. of ECE addressed the students and gave insight into the department through his presentation. After the session students visited labs and got overview about the department.

Forum Inauguration and Fresher's Day



Images of Forum Inauguration and Fresher's Day



Images of Forum Inauguration and Fresher's Day.

Inauguration of forum Encore was organized on 15th December 2022. The Chief Guest was Ms. Pooja Boosnur, Optimization Engineer in Production at Intel Corporation. She spoke about the challenges she faced as a fresher and how she managed to reach such a top position. President of the event was Dr. Ganesh D B, Principal & Director, JITD spoke on the occasion and urged the students to take part in forum activities. Chairman of the event, Dr. Santosh Herur, HOD, Dept. of ECE spoke about the event and assisted the students to how to cope with the NEP syllabus. Forum Coordinator Mr. Sharanabasaveshwara H B, Dept. of ECE, read the list of forum activities conducted since the start of odd semester. All the HOD's of various department, all the faculties, non-teaching staff and students of Department of ECE were present.

TECHNICAL TALK



Images of Technical Talk.

Department of Mechanical Engineering in collaboration with Department of Electronics and Communication Engineering organised an forum event Technical talk on Outcome Based Education in advanced Robotics Automation and Emerging technologies. Resource person Mr. Sudhir Sanna gave a talk on the particular domain. Head of the ME department, Dr. Rajaneesh N Marigoudar and Head of ECE department, Dr. Santosh Herur were present in the event.

Talk on Clicks Campus App Registration



Images of Clicks Campus App Registration

Placement Officer Mr. Prakash C H and Dr. Prakash M Walvekar addressed the final year students of ECE Dept. and gave information about the Clicks App and its benefits in Campus placement preparation. Dr. Santosh Herur, HOD, Dept. of ECE and Prof. Deepthi G B, Placement Coordinator, Dept. of ECE were also present and guided the students.

Placement Activity



Images of Placement Activity

Online Aptitude test was conducted for the final year students by Career Prime recruitment solutions, Bangalore in association with Placement and Training cell of JIT .

Campus Placement



TRUPTHI
4JD19EC048



KIRAN KUMAR K M
4JD19EC036



SAHIL KHAN S J
4JD19EC053

The Final year students of ECE Department, **Ms. Trupthi G G, Mr. Kiran Kumar K M, Mr.Sahil khan S J** has been recruited for the **TCS** company with a package of **3.36 LPA**. Hearty congratulations and best wishes from College Management, Principal, Placement officer, HOD, Placement Coordinator, Teaching and Non- teaching staff members.

NBA Awareness Session



Images of NBA Awareness Program

A session on NBA Awareness was organized at JIT Auditorium for the students of ECE Department . **Mr. Ravikumar K I**, NBA Coordinator, Dept. of ECE addressed the students and educated them about Vision and Mission of Department and Institute, PO's, PSO's and PEO's. **Dr. Santosh Herur**, HOD, Dept. of ECE carried out the session and gave knowledge about NBA Process and its benefits to students and the department. He directed the students about their roles and responsibilities during the NBA visit which is scheduled on 6th, 7th and 8th of January 2023. He also highlighted on Outcome Based Education and process followed for NBA and its Importance. A total of 162 Students from 3rd, 5th and 7th semester ,Teaching and Non teaching staff members were present during the session.

Intel India Stem Skills Program for Women



Images of Intel India Stem Skills Program For Women.

All the girl students of circuit branches (CSE,ISE,ECE,EEE) attended an event on **INTEL INDIA STEM SKILLS PROGRAM FOR WOMEN** by Mr. Sachin Patil and his team on 19th January 2023. Mr. Sachin Patil, Learning Link Foundation, helped students to register to the LMS from INTEL. Mr. Ganyaneshwar thought students about the basics of VLSI and informed the students the importance of VLSI and companies related to this stream. Ms. Poornima thought students about the soft skills and steps, methods to set goals. She also instructed students about time management.

Dr. Ganesh D B, Principal, JITD informed students to use this kind of platforms and have active participation in hackathons. Dr. Santosh Herur, HOD, ECE, Dr. Prakash Walvalakar,TPO, Mr. Sharanabasaveshwara, Assistant Professor, ECE and Placement coordinators of various department were present during the event.

Skill Development Program on “Gateway to Cyber Security”



Images of Skill Development Program on “Gateway to Cyber Security”.

Skill Development Program on “**Gateway to Cyber Security**” was organized by the Department of Electronics and Communication at JITD Auditorium. The alumni of JIT, **Mr. Pavan Kumar H B**, Security Analyst, McKinsey and Company, Bangalore, **Ms. Pooja S M**, IT Internal Audit, Google, **Mr. Shridhar G H**, Associate Consultant, KPMG Global Services Pvt. Ltd, Bangalore were invited as the Resource persons for the Program. **Dr. Ganesh D B**, Principal & Director addressed the gathering and encouraged the students to upskill their technical knowledge.

Dr. Santosh Herur, HOD, Department of ECE spoke about the basic knowledge required to start career in Cyber Security and its various domains. **Prof. Ravikumar K I**, **Prof. Anusha K**, Program Coordinators, Dept. of ECE were also present during the program. The Resource Persons conducted various Sessions and highlighted on the concepts of Cyber Security and its industrial exposure and career opportunities. Certificates were presented to all the participants. A total of 120 students from 3rd, 5th and 7th semester of ECE attended the SDP. All the teaching and Non teaching staff members of the department were present during the Skill Development Program.

MoU signed with PSN Hub IT Consultancy Services



Image of MOU Signing Between JIT With PSN Hub.

A MoU signed between Department of Electronics & Communication Engineering, JITD and PSN Hub IT Consultancy services on 14th February 2023 with a view to provide job oriented courses, skill development training, webinars and industry exposure to students in the field of Cyber Security.

Campus Placement



Image of Ethnus company recruitment.

The Final year students of ECE Department, **Ms. Anusha D J, Ms.Chandana G P, Ms. Harshitha J B, Ms. Ayesha siddique, Ms. Pooja K K, Ms. Sunidhi, Ms.Asfiya** have been recruited for the company **Ethnus**. Hearty congratulations and best wishes from College Management, Principal, Placement officer, HOD, Placement Coordinator, Teaching and Non-teaching staff members.

Student's Achievement



Students presented an idea at state level innovation competition, IDEATHON-2023.

The 8th semester students of ECE Department **Ms. Vimarsha S P , Ms. Sahana P K and Ms. Pooja K.K** has presented an idea at state level innovation competition, **IDEATHON-2023** on 14th March 2023 held at Channabasaveshwara Institute of Technology, Gubbi, Tumakuru

under the guidance of Mr. Ravi rayappa, Assistant Professor, Dept. of ECE. Their idea scored one among the top 3 ideas in the IDEATHON-2023 competition. Dr. Ganesh D B, Principal and director, JITD, Dr. Santosh Herur, HOD, Dept. of ECE and all faculties of the department appreciated and congratulated the students for their achievement.

Campus Placement

The Final year students of ECE Department have been recruited for the Deloitte, Palle and Kaynes companies with an attractive packages. Hearty congratulations and best wishes to all the campus recruited students from College Management, Principal, Placement officer, HOD, Placement Coordinator, Teaching and Non- teaching staff members. The details are given below.

1. Kaynes Technologies

Chandana G P, Sahil Khan S J, Sunidhi K R, Kavya Jain A, Saheer Baig, Anusha D J, Bakkesh V of 8th sem ECE have been recruited for Kaynes Technologies as Trainee Engineer with an attractive package.



Chandana G P



Sahil Khan S J



Sunidhi K R



Kavya Jain A



Saheer Baig



Anusha D J



Bakkesh V

2. Palle Technologies

Arpitha K R and Bakkesh V of 8th sem ECE have been recruited for Palle Technologies as a Trainee with an attractive package of **3LPA**.



Bakkesh V



Arpitha K R

3. Deloitte

Arpitha K R of 8th sem ECE have been recruited for Deloitte company as Analyst Trainee with an attractive package of **4.5 LPA**.



Arpitha K R

Project Proposals Approved for 46th series KSCST Sponsorship

In the 46th series of KSCST Student Project Programme (SPP): 2022-23, **Two proposals** from the department of E&CE has been selected and sponsored.



Project-1:

The project proposal titled “**VOICE ASSISTED TEXT READING SYSTEM FOR BLIND AND VISUALLY IMPAIRED PERSONS**” was submitted by the students: **Bhoomika G R, Arpitha K R, Shubhashini K H and Syeda shaista Zainab P** under the guidance of **Dr. Santosh Herur**, HOD, Department of E&CE. An amount of **Rs. 6,500/-** is sanctioned.

Team Members::



Bhoomika G R



Arpitha K R



Shubhashini K H



Syeda shaista Zainab



Project--II

The project proposal titled “**MACHINE LEARNING BASED TRAFFIC MANAGEMENT**” was submitted by the students: **Sahana Poorvachari Kammara, Meghana S, Pooja K K and Vimarsha S P** under the guidance of **Mr. Ravirayappa**, Assistant Professor, Department of E&CE. An amount of **Rs. 5,000/-** is sanctioned.

Team Members::



Sahana P K



Meghana S



Pooja K K



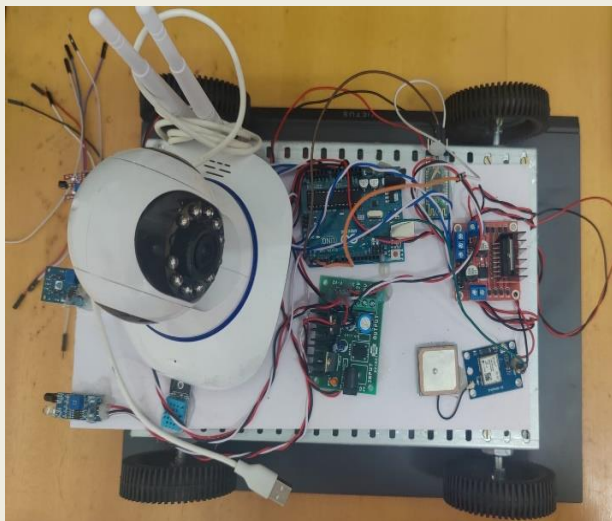
Vimarsha S P

Project Exhibition: P-EXPO-2023

P-EXPO-2023, A Project and Product Exhibition was organized at JIT. All the final year students of ECE Department actively participated and displayed their projects with physical models and exhibited posters. A Total of 14 teams participated in the event.

Dr. Ganesh K, Assistant Professor, Dept. of ECE, BIET, Davangere has been invited as the external examiner for the evaluation of projects. He appreciated the efforts of the students and encouraged them.

Dr. Ganesh D B, Principal & Director, JIT and **Dr. Santosh Herur**, HOD, Dept. of ECE were also examined the student's projects.



Images of P-EXPO 2022-2023

Among all the projects exhibited, the following **Two projects** were ranked as first and second by the Evaluator.

First Place:

The Project work entitled **“Quadcopter for modified transport system in villages with unlimited range”** presented by Mr. Sahil khan S J and Mr. Subramanya B S Under the guidance Mr. Sharanabasaveshwara H B, Assistant Professor, Dept. of ECE has got First place in the exhibition.



Image of P-EXPO 2022-2023.

Second Place:

The Project Work entitled **“Crop recommendation using IoT and Machine Learning”** presented by Ms. Anusha D J, Ms. Sunidhi K R, Ms. Trupthi G G and Mr. Kiran Kumar K M Under the guidance of Ms. Anusha K, Assistant Professor, Dept. of E&CE has got Second place in the exhibition.



Image of P-EXPO 2022-2023



2022-2023 Batch Group Photo.

Student's Achievement



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



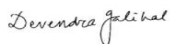
This certificate is awarded to
SUVARNA KOPPAD
 for successfully completing the course

Python for Data Science

with a consolidated score of **60** %

Online Assignments	20.67/25	Proctored Exam	39.25/75
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Total number of candidates certified in this course: **4711**


Prof. Devendra Jaliwal
Chairperson,
Centre for Outreach and Digital Education, IITM

Jan-Feb 2023
(4 week course)


Prof. Andrew Thangaraj
NPTEL, Coordinator
IIT Madras


Indian Institute of Technology Madras


FREE ONLINE EDUCATION
swayam
समग्र शिक्षा, समग्र विकास

Roll No: NPTEL23CS21S34400035

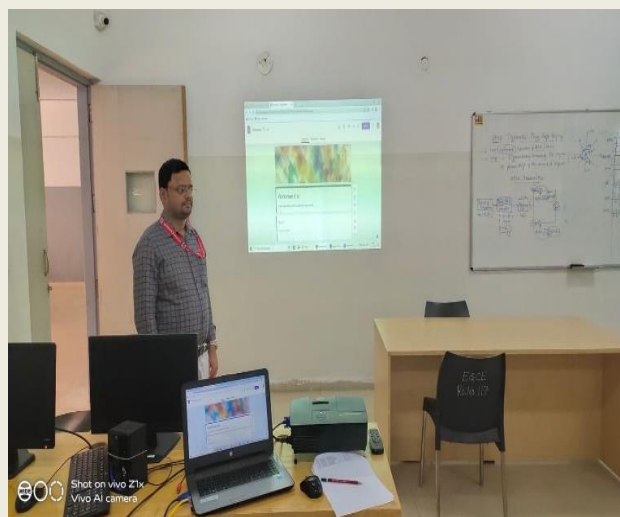
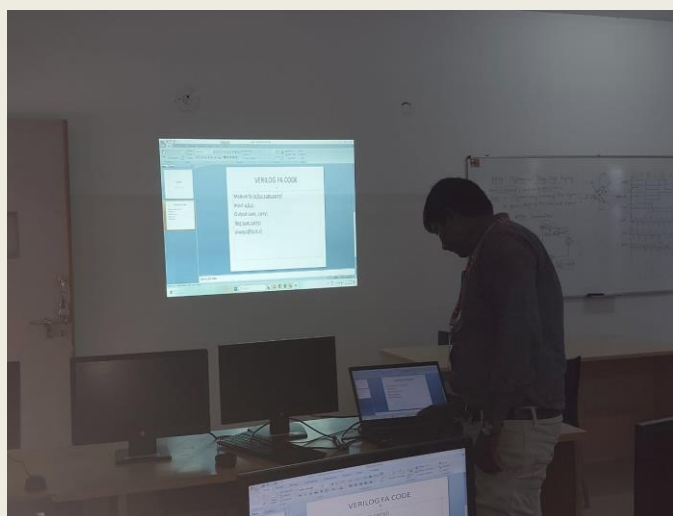
To validate the certificate 

No. of credits recommended: 1 or 2

Image of Student Achievement.

Suvarna Koppad student from 3rd sem, E&CE department has successfully completed 4 week **NPTEL Online Course on “Python for Data Science”** awarded with Elite NPTEL online certification (Funded by the MoE, Govt. of India). Hearty Congratulations to the student on achieving Good Milestone on behalf of College Management, Principal, HOD, Teaching and Non-teaching staff.

INTERNSHIP TRAINING FOR 3rd SEM LATERAL ENTRY STUDENTS

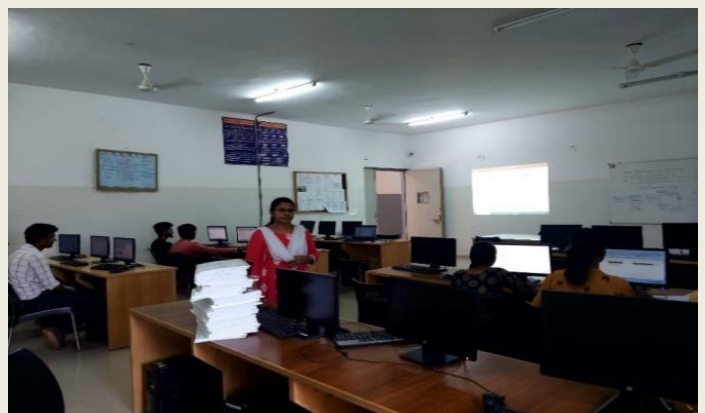


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Images of Intrenship Training.

Student's Achievement



Images of Student Achievement

6th semester students of ECE Department participated in **MELANZE-2023**, A National level Techno Cultural Fest organized by TORQUE Association, Dept. of ME, SKSVMACET, Lakshmeshwar, Gadag.

Manjunath M, Akash G J, Anith Baba A, Sagar M G, Karibasaiah T M participated in **Group discussion** event of MELANZE-2023 and **Manjunath M Secured 2nd place** in the event and won a prize amount of Rs.800.

Mallikarjun M and Varun K participated in **Paper presentation** event and presented a paper titled "**IoT Driven Automation**" under the guidance of **Mr. Ravirayappa**, Assistant Professor, Dept. of ECE. Hearty congratulations to all the participants.

Student's Achievement

Manjunath M and Bharath B P of 6th sem ECE participated and won **2nd prize** in the **COGNITION**, a state level Project Exhibition held at BIET, Davangere on their mini-project titled "**Robust motion detection using deeplearning in computer vision**" under the guidance of **Dr. Santosh Herur**, HOD, Dept. of ECE. The students won a cash prize of Rs. 500.

Prathibha M H of 6th sem ECE participated and won **Consolation prize** in the **PAPYRUS**, a state level Technical paper presentation event held at BIET, Davangere on presenting paper titled "**A convolutional neural network-based method for early**

prediction of covid-19 from chest X-rays” and got a cash prize of Rs. 350. Hearty congratulations and best wishes to all the participants.



Images of Student Achievement

Industrial Visit:



Image of Industrial Visit

An Industrial Visit to “**KAYNES TECHNOLOGY INDIA PRIVATE LIMITED**”, **Mysuru** was arranged by the department of ECE to provide practical exposure to the 6th Semester Students. Mr. Sharanabasaveshwara H B and Mrs. Savita Mamadapur, Assistant Professor, Dept. of E&C E accomapained the students. In this Industrial visit, students gained information regarding the PCB Designing and assembly of components over it and fabrication of semiconductors.

ICEI-2023 Best Paper Award.

All the final year students of E&CE Department presented their papers in the **2nd International Conference on Engineering Innovation (ICEI-2023)** organized by Jain Institute of Technology, Davangere in association with Technical Institute for Engineers, Bangalore on 2nd June 2023. The following **Three Papers** has been awarded as the **Best Paper** among the presented papers in the virtual conference.

PAPER-I

The Paper entitled **“Solar Power Based Modernization of Agriculture for crop protection using IoT”** presented by Ms.Kavya Jain A, Ms.Lakshmi Priyanka, Ms.Nandini S K and Ms. Karishma S Under the guidance of **Mr. Ravikumar K I**, Assistant Professor, Dept. of E&CE has been selected as the Best Paper.



Image of Best Paper Award.



Image of Best Paper Award.

PAPER-II

The Paper entitled “**Sandalwood Tree protection using IoT**” presented by Mr.Bakkesh V, Mr.Ganesh H R and Mr.Karthik S R Under the guidance of **Mrs. Rajeshwari H M**, Assistant Professor, Dept. of E&CE has been selected as the Best Paper.



Image of Best Paper Award.

PAPER-III

The Paper entitled “**Automatic Ration Dispenser**” presented by Ms. Lakshmi Sambaji Kale, Mr. Chetan M S, Ms. Navya Sai P and Mr. Nikhil S B Under the guidance of **Mr. Sunil M**, Assistant Professor, Dept. of E&CE has been selected as the Best Paper.

Success Meet - ICEI 2023



Image of ICEI Success Meet.

A Success meet was arranged on 23rd June 2023 at JITD auditorium in the view of successful completion of 2nd International Conference, ICEI-2023. Prof. Ravirayappa, Coordinator, gave a report on ICEI-2023. Technical Chair of ICEI, **Dr. Santosh Herur**, HOD, Dept. of ECE shared his experience and hardships faced during the conduction of ICEI 2023. He thanked all the teaching and non teaching staffs members for their cooperation in making ICEI-2023, a grand success. The General Chair of ICEI, **Dr. Ganesh D B**, Principal & Director, JIT, Davangere, appreciated the efforts of technical chair and his team for the successful conduction of ICEI-2023 and also conveyed the importance of publications and conference. Technical Chair and General Chair issued Letter of appreciation to all the Internal Session chairs, Session coordinators and ICEI coordinators. Heads of various department, Teaching and Non teaching staff members of JIT were present during the event.

“Tech Talk on “Advance VLSI Design and Trends in Semiconductor Industry”



Images of Tech Talk on “Advance VLSI Design and Trends in Semiconductor Industry.”

Department of Electronics and Communication Engineering has conducted a **Tech Talk on “Advance VLSI Design and Trends in semiconductor Industry”** for Second Year Students . **Mr. Praveen N**, Sr. Design Verification Engineer and **Dr. Arun Kumar K M**, Sr. Design Verification Engineer from **EXOPOLOG Technologies, Davangere** were invited as resource persons. In this technical talk, they explained about the VLSI industry, Current status of the Indian Semiconductor industry, chip design, and skills required in the VLSI industry.

They also described about Chip Design & Fabrication, Design Challenges & Applications, Industry Players and Emerging Trends in VLSI technology. The gap between academics and the VLSI industry was well explained by the resource persons. The Students got information about different job roles in the VLSI domain. The technical talk was organized by Dr. Rajendra S Soloni and Mr. Sharanabasaveshwara H B under the banner of forum Encore and ISTE. Dr. Santosh Herur, HOD, Dept. of ECE addressed students before technical talk about the event and introduced the resource persons. A total of 69 students Participated.

“Skill Development Program on “Model Based Approach with MATLAB Simulink”



Images of Skill Development Program on “Model Based Approach with MATLAB Simulink

A Skill Development Program on “Model Based Approach with MATLAB Simulink” was organized by the department of ECE for 2nd year students from 25/07/2023 to 28/07/2023 (4 Days). Mr. Shivaraj V S and Mr. Rakesh from Abeeyantrix Softlab, Davangere were invited as the Resource persons. The Inauguration of SDP was presided by Dr. Ganesh D B, Principal & Director, JITD, Dr. Santosh Herur, HOD, Dept. of ECE also chaired the Programme. The SDP was convened by Dr. Rajendra S Soloni and coordinated by Mr. Sharanabasaveshwara H B and sponsored by Skill lab, JITD. 2nd year students of ECE department and all the staff members were present during the programme.

Student's Achievement



Image of Student Achievement

4th Semester student, **Ananya V** received a scholarship of Rs. 30,000/-from Muthoot M George Foundation for Higher education scholarship on 28/07/2023. Hearty Congratulations to her from the Pricipal, HOD and all the Faculty members.

Results 2022-2023

Odd Semester Results of 2022-2023

Sl no.	Semester	Overall Result %
1	III	46/69=66.66
2	V	48/64=75
3	VII	50/53=94.33

Topper's List

3 RD Semester	USN	Name	Marks_Scored	Percentage %
First	4JD21EC051	Sudeep Reddy K	695/800	86.87
Second	4JD21EC048	Sindushree M J	687/800	85.87
Third	4JD21EC004	Akshatha H	677/800	84.62
	4JD21EC012	Chandrika N S	677/800	84.62
	4JD21EC024	Lingaraj B	677/800	84.62

5 TH Semester	USN	Name	Marks_Scored	Percentage %
First	4JD20EC020	Mallikarjun M	780/900	86.66
Second	4JD20EC001	Abdul Mazeed Kaif N	717/900	79.66
Third	4JD20EC013	Kaveri	704/900	78.22

7 TH Semester	USN	Name	Marks_Scored	Percentage %
First	4JD19EC005	Arpitha K R	681/800	85.13
Second	4JD19EC048	Trupthi G G	672/800	84
Third	4JD19EC010	Bhoomika G R	671/800	83.88
	4JD19EC052	Chandana G P	671/800	83.88

Even Semester Results of 2022-2023

Sl. no.	Semester	Overall Result %
1	IV	48/68==70.58
2	VI	50/64==78.12
3	VIII	50/53==94.33

Topper's List

4 TH Semester	USN	Name	Marks_Scored	Percentage %
First	4JD21EC048	Sindushree M J	858/1000	85.8
Second	4JD21EC011	Bhumika S	852/1000	85.2
Third	4JD21EC053	Suvarna Shivappa Koppad	847/1000	84.7

6 TH Semester	USN	Name	Marks_Scored	Percentage %
First	4JD20EC020	Mallikarjun M	705/800	88.13
Second	4JD20EC039	Sahana K P	656/800	82
Third	4JD20EC001	Abdul Mazeed Kaif N	639/800	79.88

8 TH Semester	USN	Name	Marks_Scored	Percentage %
First	4JD19EC005	Arpitha K R	446/500	89.2
	4JD19EC017	Bhavana T M	446/500	89.2
Second	4JD19EC009	Kavya Jain A	443/500	88.6
	4JD19EC050	Vimarsha S P	443/500	88.6
Third	4JD19EC048	Trupthi G G	437/500	87.4

2019-2023 Batch Toppers' List of ECE

Place	USN	Name	Percentage	Photo
First	4JD19EC005	Arpitha K R	87.01	
Second	4JD19EC010	Bhoomika G R	85.89	
Third	4JD19EC050	Vimarsha S P	84.33	