



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) &amp; 12 B of UGC Act, 1956

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

Mech. Engg. Dept.

AIMSS

Activity Report

AY:2022-23

**Activity Report**

Sl. No.	Title of the information	Information in brief																								
1	Identified Gap No/s.	12																								
2	Activity Type	Career Guidance																								
3	Activity/Event Organizer/s or Coordinator/s	Dr. S. N. Topannavar, Professor and HOD, Mechanical Engineering Department, HIT Nidasoshi																								
4	Title of the Activity/Event	Training on “Placement Aptitude Training Programme and Career Counseling”																								
5	Time Date	10.00 AM to 04.00 PM 06-02-2023 to 11 -02-2023																								
6	Venue	Electrical Seminar Hall																								
7	Objectives	1. Provide career counseling and career development sessions for graduates. 2. Develop career services programs that will help student in exploring and planning career options. 3. Educate students on resume building, interview skills, and professionalism. 4. Conduct career awareness events for students. 5. Execute outreach programs to promote career services among students.																								
8	Expected Outcomes	1. High aptitude is associated with strong mental agility, which is crucial in interviews. 2. Aptitude tests help students assess his/her strengths and weaknesses and help them understand fit for their organization or not. 3. Choosing a suitable career requires a solid understanding of student’s skill areas of aptitude. 4. An aptitude test helps you understand where student’s true potential resides. 5. Training forms an integral part towards nurturing the overall personal of an aspiring professional.																								
9	Details of Resource Person/s with contact details	Mr. Anand Khanti , Aptitude Trainer, Bangalore																								
10	Finance Management	Expenses incurred by Training and Placement Cell																								
11	No. of participants	Students: Boys : 18 & Girls : Nil																								
12	Mapped POs, Weight-age assigned & %age of attainment: PO (Weight-age)	<table><tr><th>PO mapped</th><th>Weight-age assigned (1/2/3)</th><th>%age of Attainment</th><th>Level of attainment</th></tr><tr><td>PO6</td><td>2</td><td>99.1</td><td>1.982</td></tr><tr><td>PO8</td><td>3</td><td>99.1</td><td>2.973</td></tr><tr><td>PO9</td><td>3</td><td>99.1</td><td>2.973</td></tr><tr><td>PO10</td><td>2</td><td>99.1</td><td>1.982</td></tr><tr><td>PO12</td><td>2</td><td>99.1</td><td>1.982</td></tr></table>	PO mapped	Weight-age assigned (1/2/3)	%age of Attainment	Level of attainment	PO6	2	99.1	1.982	PO8	3	99.1	2.973	PO9	3	99.1	2.973	PO10	2	99.1	1.982	PO12	2	99.1	1.982
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PO12	2	99.1	1.982																							
13	Mapped PSOs, Weight-age assigned & %age of attainment: PSO (Weight-age)	<table><tr><th>PO mapped</th><th>Weight-age assigned (1/2/3)</th><th>%age of Attainment</th><th>Level of attainment</th></tr><tr><td>PSO3</td><td>1</td><td>99.1</td><td>0.991</td></tr></table>	PO mapped	Weight-age assigned (1/2/3)	%age of Attainment	Level of attainment	PSO3	1	99.1	0.991																
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Activity Report

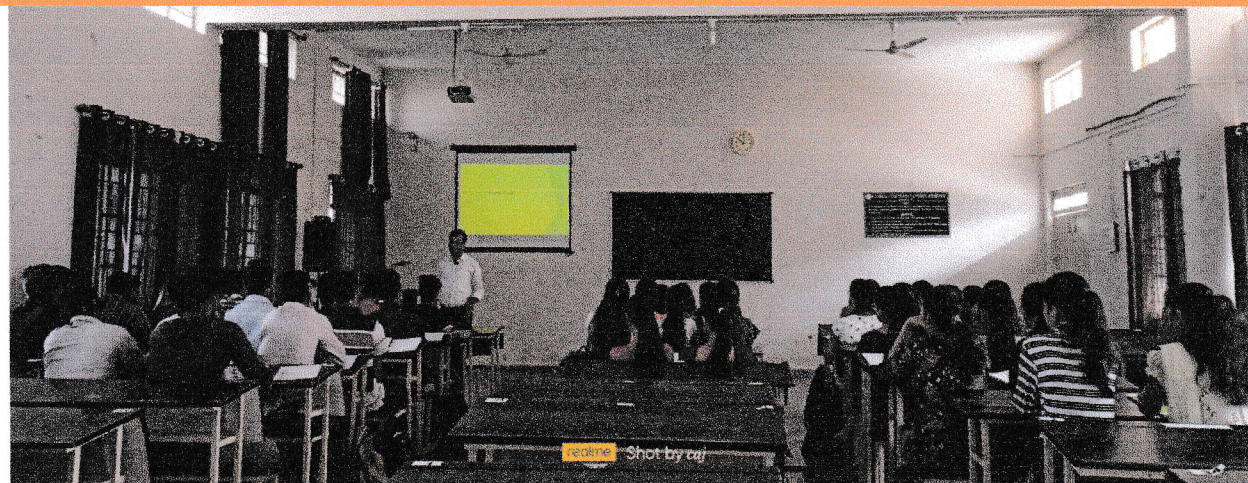
AY:2022-23

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



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



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

Mr. Kiran S Dhang  
AIMSS Secretary

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

Dr. S. N. Topannavar

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





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AY:2022-23

		<table><tr><td>P08</td><td>1</td><td>99.8</td><td>0.998</td></tr><tr><td>P010</td><td>2</td><td>99.8</td><td>1.996</td></tr><tr><td>P012</td><td>3</td><td>99.8</td><td>2.994</td></tr></table>	P08	1	99.8	0.998	P010	2	99.8	1.996	P012	3	99.8	2.994				
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PSO's Mapped	Weight-age assigned (1/2/3)	%age of Attainment	Level of attainment															
PSO1	3	99.8	2.994															
PSO2	2	99.8	1.996															
PSO3	2	99.8	1.996															
14	Outcomes achieved/Impact analysis	<p>1. The activity mapped with PO1, PO2, PO3, PO5, PO8, PO10 and PO12 was found satisfactory with attainment levels of 2.994, 1.996, 0.998, 2.994, 0.998 1.996 and 2.994 against the mapped values during the impact analysis.</p> <p>2. The activity mapped with PSO1, PSO2 and PSO3 was found satisfactory with attainment level of 2.994, 1.996 &amp; 1.996 respectively against the mapped value during the impact analysis.</p>																

## Photo Gallery



Mr. Manohar S. N. Application Engineer ALTEM Technologies Private Limited Bangalore is presenting about MSC software to staff and students on the occasion of A collaborative hands-on STTP on "Design and Analysis using MSC Apex Software & Multi body Dynamics (Motion Simulation)" held from 17<sup>th</sup> November 2022 to 19<sup>th</sup> November 2022.





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14	Outcomes achieved/Impact analysis	<p>1. The activity mapped with PO1, PO2, PO3, PO5, PO8, PO10 and PO12 was found satisfactory with attainment levels of 2.994, 1.996, 0.998, 2.994, 0.998 1.996 and 2.994 against the mapped values during the impact analysis.</p> <p>2. The activity mapped with PSO1, PSO2 and PSO3 was found satisfactory with attainment level of 2.994, 1.996 &amp; 1.996 respectively against the mapped value during the impact analysis.</p>																

## Photo Gallery



Mr. Manohar S. N. Application Engineer ALTEM Technologies Private Limited Bangalore is presenting about MSC software to staff and students on the occasion of A collaborative hands-on STTP on "Design and Analysis using MSC Apex Software & Multi body Dynamics (Motion Simulation)" held from 17<sup>th</sup> November 2022 to 19<sup>th</sup> November 2022.





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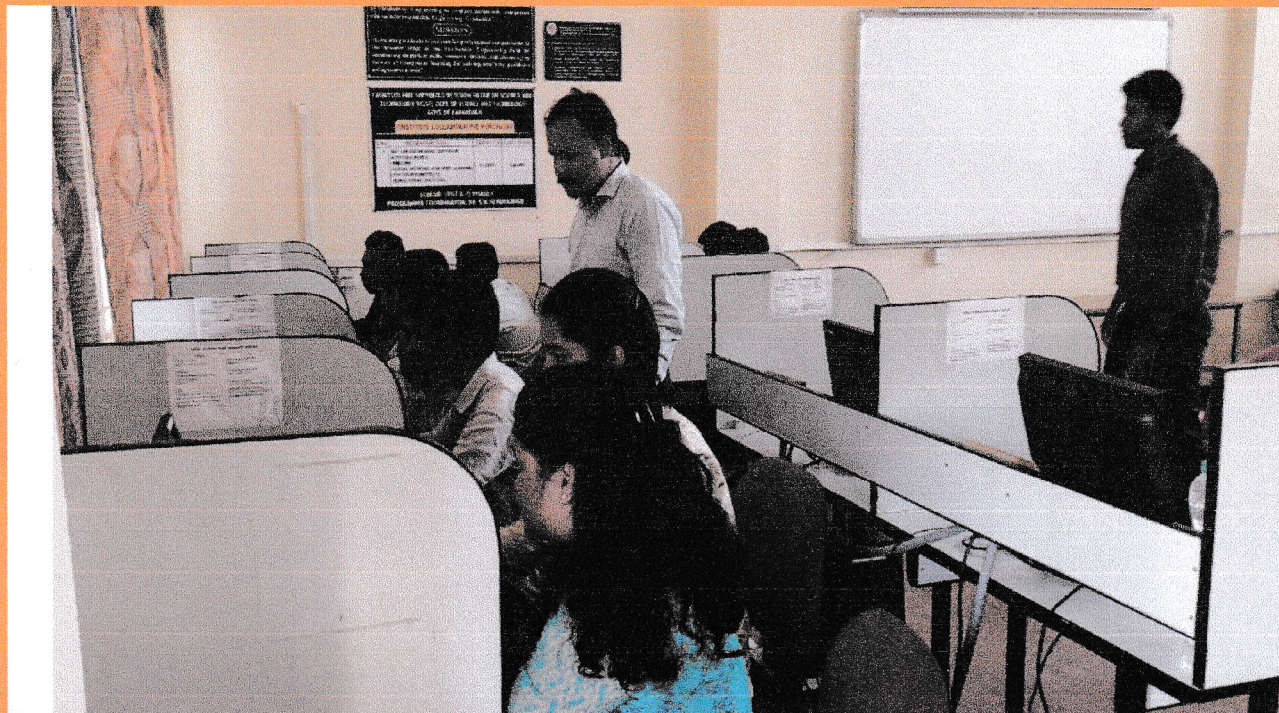
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Mech. Engg. Dept.

AIMSS

Activity Report

AY:2022-23



The students are practicing the problems during hands on session in presence of resource person Mr. Vivek Diwan Application Engineer ALTEM Technologies Private Limited Bangalore on the occasion of A collaborative hands-on STTP on **"Design and Analysis using MSC Apex Software & Multi body Dynamics (Motion Simulation)"** held from 17<sup>th</sup> November 2022 to 19<sup>th</sup> November 2022.



Shot on OnePlus  
By VINYA VB

Miss. Archana R Gulli is receiving participation certificate from resource person and Dr. S.C. Kamate, Principal Hirasugar Institute of Technology, Nidasoshi is the president of valedictory function on the occasion of A collaborative hands-on STTP on **"Design and Analysis using MSC Apex Software & Multi body Dynamics (Motion Simulation)"** held from 17<sup>th</sup> November 2022 to 19<sup>th</sup> November 2022.





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Activity Report

AY:2022-23



Group photo of resource person, staff and students on the occasion of A collaborative hands-on STTP on "Design and Analysis using MSC Apex Software & Multi body Dynamics (Motion Simulation)" held from 17<sup>th</sup> November 2022 to 19<sup>th</sup> November 2022.

Mr. Kiran S Dhang  
AIMSS Secretary

*Fos*

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

Dr. S. N. Topannavar

**HOD**  
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Activity Report

AY:2022-23

**Activity Report**

S.No.	Title of the information	Information in brief																				
1	Identified Gap No/s.	14																				
2	Activity Type	Short Term Training program																				
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	A collaborative hands-on STTP on “ <b>Design and Analysis using MSC Apex Software &amp; Multi body Dynamics (Motion Simulation)</b> ”																				
5	Date and Time	17.11.2022 To 19.11.2022																				
6	Venue	Research Centre, Mechanical Engineering Department																				
7	Objectives	<ol style="list-style-type: none"><li>1. To understand the modeling, design and simulation software.</li><li>2. To design and analysis of systems and processes using MSC-Apex and ADAM software tools.</li><li>3. To have hands-on –experience on Multi body dynamics software’s using motion simulations.</li><li>4. To model, design and analysis of complex and relevant industrial engineering problems of national interest.</li><li>5. To promote activity based and participate learning.</li></ol>																				
8	Expected Outcomes	<ol style="list-style-type: none"><li>1. Importance and applications of software in mechanical domain.</li><li>2. It enables the students to import and manipulate any existing CAD data easily for the optimization with the integrated, powerful geometry tools.</li><li>3. The student can evaluate the optimization result better and determine early and easily, which design candidate is promising or not. It helps the students to drive the optimization in the right direction and gives more control.</li><li>4. Tool supports the user in setting up optimization for assemblies with all relevant parts and areas of the assembly: no effortful manual work, but a workflow designed for this with guidance and user-focused tools.</li><li>5. Advance features of MSC Apex Software and hands on design &amp; analysis of industrial problems.</li></ol>																				
9	Details of Resource	<ol style="list-style-type: none"><li>1. Mr. Manohar S.N. Application Engineer ALTEM Technologies Private Limited Bangalore</li><li>2. Mr. Vivek Diwan Application Engineer ALTEM Technologies Private Limited Bangalore</li></ol>																				
10	Finance Management	Expenses incurred by the Department Association AIMSS																				
11	No. of participants	Students (Boys & Girls Separately): 26 Boys & 02 Girl students and Staff: 10 members																				
12	Mapped POs ,Weight-age assigned & %age of attainment : PO (Weight-age)	<table><tr><th>PO’s Mapped</th><th>Weight-age assigned (1/2/3)</th><th>%age of Attainment</th><th>Level of attainment</th></tr><tr><td>P01</td><td>3</td><td>99.8</td><td>2.994</td></tr><tr><td>P02</td><td>2</td><td>99.8</td><td>1.996</td></tr><tr><td>P03</td><td>1</td><td>99.8</td><td>0.998</td></tr><tr><td>P05</td><td>3</td><td>99.8</td><td>2.994</td></tr></table>	PO’s Mapped	Weight-age assigned (1/2/3)	%age of Attainment	Level of attainment	P01	3	99.8	2.994	P02	2	99.8	1.996	P03	1	99.8	0.998	P05	3	99.8	2.994
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Nidasoshi, Taq: Hukkeri, Dist: Belgaum, Karnataka - 591 236

Phone: +91-8733-278887, 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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## HIRASUGAR INSTITUTE OF TECHNOLOGY


NIDASOSHI- 591236 Tal. Hukkeri, Dist. Belagavi, Karnataka

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


# MECHANICAL ENGINEERING DEPARTMENT

### *Certificate of Participation*

This is to certify that Prof./Mr./Miss. Shashidhar. Gurav.  
of 7<sup>th</sup> Semester Mech. Engg. has participated in A Collaborative Hands-on  
Short Term Training on "Design & Analysis Using MSC Apex Software & Multi Body  
Dynamics (Motion Simulations)" in collaboration with ALTEM Technology, Bengaluru  
& VTU Belagavi at HSIT, Nidasoshi From 17<sup>th</sup> To 19<sup>th</sup> November 2022.


  
Mr. Manohar S N  
ALTEM TECH

  
Prof. D. N. Inamdar  
Course Coordinator

  
Dr. S. N. Topannavar  
HOD, MED

  
Dr. S. C. Kamate  
PRINCIPAL



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

### Department of Computer Science and Engineering

<b>Date of Activity held</b>	17/04/2023 to 20/04/2023
<b>Name of Activity</b>	<b>4-Days Workshop on "Internet of Things"</b>
<b>Type of Activity (Cultural/Curricular/Co-Curricular)</b>	Co-Curricular
<b>Resource Person</b>	Mr. Vinayak R. Dhongadi and Mr. Pramod M
<b>Professional Details Of Resource Person</b>	Co-Founder at NextG Automation LLP and Amsa Embedded Solutions, Hubali
<b>Year/ class</b>	8 <sup>th</sup> Semester CSE Students
<b>No. of students</b>	50
<b>Activity in-charge</b>	Dr. K. B. Manwade

#### Description of Activity:

Department has organized 32 hours training program on "Internet of Things" for 8<sup>th</sup> semester students of Computer Science and Engineering department. This activity was scheduled from 17/04/2023 to 20/04/2023. The resource persons Mr. Vinayak R. Dhongadi and Mr. Pramod M were from AMSA Embedded Solutions, Hubali. In this workshop concepts related to introduction to IOT, embedded system design, micro controlling and interfacing are explained to students. Also hands on sessions were conducted for these topics. Total 50 students from 8<sup>th</sup> semester had attended the workshop.

#### Activity photographs:







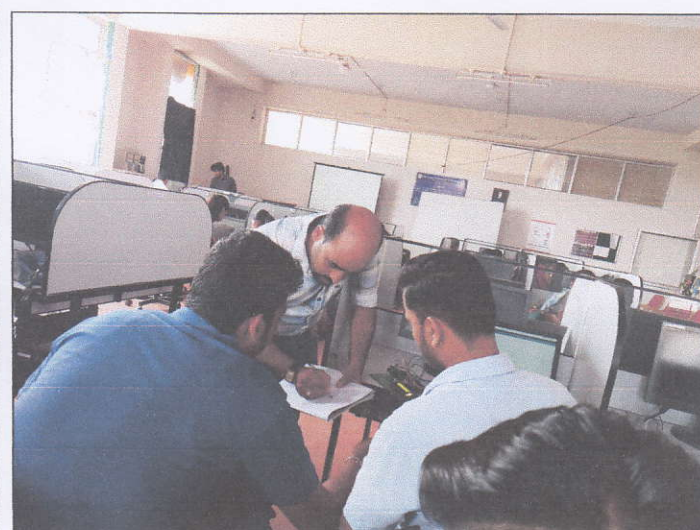
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CSE Dept.


Activity Report

2022-23 (Even)

**Activity photographs:**



  
22/04/23  
**Dr. K. B. Manwade**  
Activity Coordinator

  
22/04/23  
**Prof. S. V. Manjaragi**  
HOD CSE  
**H.O.D**  
**Computer Science & Engg.**  
**HIT, Nidasoshi**





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NEX-G AUTOMATION LLP



*This is to certify that ...Kartik...Kumar..... has participated in  
Four days Workshop on "IoT and Arduino IDE" from 17th to 20th April 2023,  
organised by Department of Computer Science & Engineering, Hirasugar  
Institute of Technology, Nidasoshi in association with Amsa Embedded Solutions,  
Hubli & NEX-G Automation, Hubli.*

For AMSA EMBEDDED SOLUTIONS

PARTNER

**Mr. Vinayak R Dhongadi**

**Co-Founder  
Amsa Embedded Solutions, Hubli**


**Prof. S.V. Manjaragi**

**HOD CSE Dept.**

**Dr. S.C. Kamate**

**Principal**



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

Date of Activity held and Time:	15/12/2022 to 18/12/2022	9.00am to 5.00pm	
Name of Activity:	Workshop on “PCB Designing and Testing”		
Type of Activity: (cultural/curricular/co-curricular)	Co-curricular		
Resource Person/Invitee:	Mr. Tulasidas Salunkhe & Prof. D M Kumbhar, Prof. Sachin S Patil		
Professional Details of Resource Person:	CEO, Electrosal Hi Tech Pvt. Ltd. Nipani ECE Department HIT, Nidasoshi.		
Year / Class:	3 <sup>rd</sup> Sem Sem Students of ECE Dept.		
No. of students:	60		
No. of Staff:	--		
Activity In charge:	Prof. D M Kumbhar, Prof. Sachin S Patil		
<b>Description of Activity:</b> A workshop on “PCB Designing and Testing” was arranged by ECE Department for 3 <sup>rd</sup> Semester ECE students from 15/12/2022 to 18/12/2022 which was delivered by Mr. Tulasidas Salunkhe, Electrosal Hi Tech Pvt. Ltd. Nipani & Prof. D M Kumbhar, Prof. Sachin S Patil ECE Department HIT, Nidasoshi. In this workshop they gave tricks on PCB designing by using eagle software.  The workshop focused on the basics of PCB designing tools. Students used Eagle PCB tool and completed various activities based on PCB designing. The same tool can be used for designing the schematic layout of the circuit which can be then converted into an equivalent PCB design. At the end, students successfully completed their PCB designs. After the session on design, the participants were taught PCB fabrication process and the steps involved in PCB designing printing, etching, drilling, and component mounting, soldering and testing of circuits. Further these designed circuits were printed on the copper clads for the fabrication process. Next session students did component mounting, soldering and testing. In one of the sessions, he highlighted on how to generate a Gerber file. Last session was an interactive one and gave their feedback.			
Objectives	RBT level	PO	PSO
To learn software tool for PCB design, and to fabricate PCB layout, component mounting, soldering and testing.	L5	1,2,5,9,10,12	2





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ECE Dept.

IIIC, ECSA

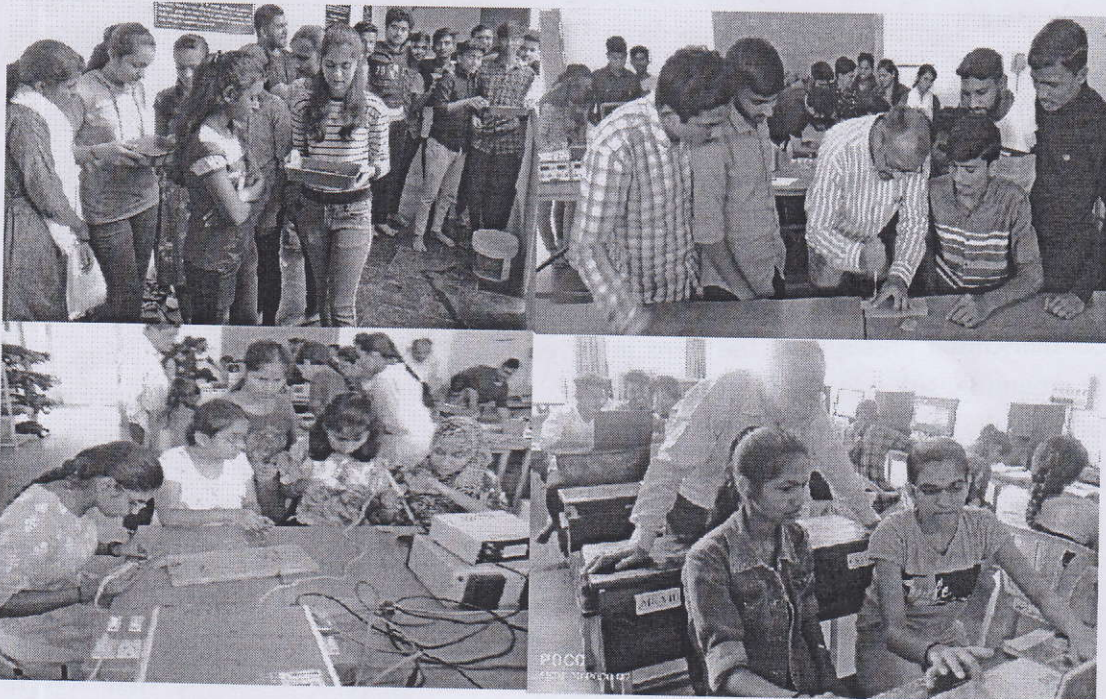
Workshop

2022-23 (Odd)

### Inauguration of "PCB Design and Testing"

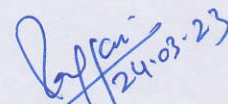


Online session by Mr. Tulasidas Salunkhe, introducing about workshop on "PCB Design and Testing" at the time of inauguration.



Design print pressing on copper clad, etching, drilling process, component mounting & testing.

  
Event Coordinator

  
HOD

**HOD**

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



S.J.P.N. Trust's

# HIRASUGAR INSTITUTE OF TECHNOLOGY

## NIDASOSHI-591236

(Approved by AICTE, New Delhi and Permanently Affiliated to VTU, Belagavi, Karnataka)

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

Department of Electronics and Communication Engineering

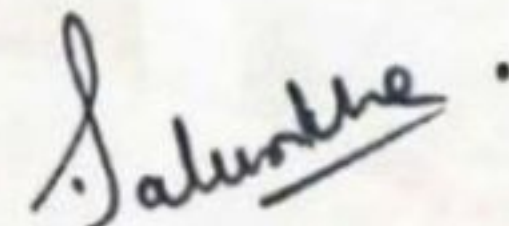
In Association with ECSA & IIC

Four Day's Workshop On

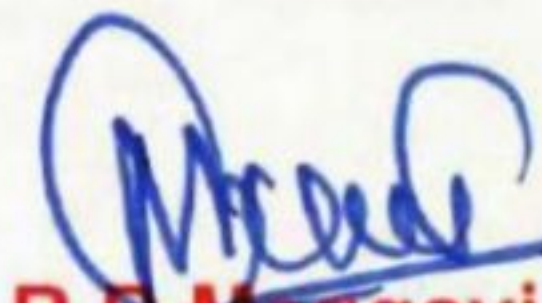
# " PCB Design & Testing "

## Certificate

This is to certify that Mr./Miss Aditya Sajane  
of III Sem of ECE has actively  
participated in Four days' workshop on "PCB Design & Testing" Conducted by **Electrosal**  
**HiTech Pvt. Ltd. Nippani** on 22<sup>nd</sup> to 25<sup>th</sup> December 2022 at Hirasugar Institute of  
Technology, Nidasoshi.



**Mr. T D Salunkhe**  
CEO Electrosal HiTech Pvt. Ltd. Nippani




**Dr. R R Maggavi**  
HOD



**Dr. S C Kamate**  
Principal





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

<b>Date of Activity held and Time:</b>	15/ 12 /2023 to 18/12/2023 9.00am- 5.30pm
<b>Name of Activity:</b>	STTP on "Full Stack Web Development"
<b>Type of Activity: (cultural/curricular/co-curricular)</b>	Co-curricular
<b>Resource Person/Invitee:</b>	Shri. Shivaraj M. A
<b>Professional Details of Resource Person:</b>	IR Software Solutions, Bengaluru
<b>Year / Class:</b>	7 <sup>th</sup> Sem students
<b>No. of student Participants:</b>	45
<b>Activity In charge:</b>	Dr. S. S. Ittannavar Prof. K. S. Patil Prof. B. P. Khot Prof. S. R. Malluramath

**Description of Activity:** A Four-Day Short-Term Training Program (STTP) on "Full Stack Web Development" was conducted from December 15, 2023, to December 18, 2023. The STTP was organized in association with the Electronics and Communication Staff and Students Association (ECSA) and ISTE Student Chapter HSIT Nidasoshi. The resource person for the STTP was Mr. Shivaraj M. A from IR Software Solutions, Bengaluru.

The STTP covered essential aspects of full-stack development, starting with an introduction to the field and focusing on both frontend and backend development. Participants worked on HTML and CSS for frontend, and learned JavaScript for dynamic web functionalities. Backend development basics, including Node.js and Express.js, were introduced, followed by sessions on database management, data modeling, and connecting to databases. The program concluded with practical insights into RESTful API development, covering API design, CRUD operations, and handling request parameters and bodies.

CO No.	CO Defined	RBT Level	Relevance POs	Relevance PSOs
1	To understand proficient in designing, developing, and deploying end-to-end web applications using front-end and back-end technologies.	L3	PO8, PO9, PO10, PO12	PSO1, PSO2





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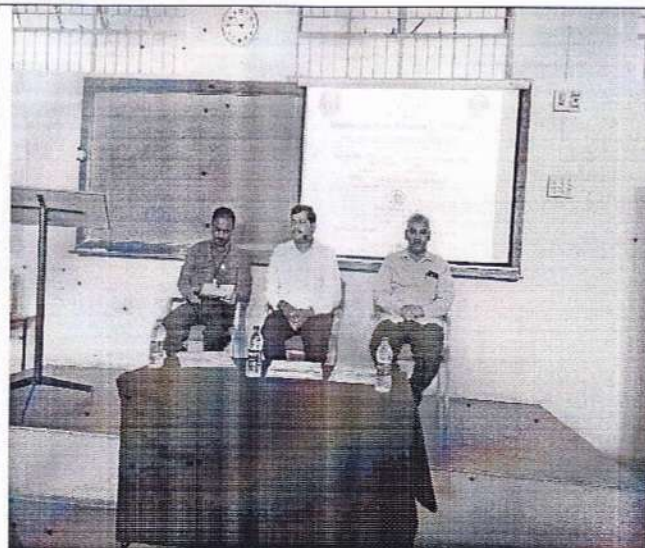
Accredited at 'A' Grade by NAAC & Programmes Accredited by NBA:CSE & ECE

ECE Dept.

Activity Report

STTP

2022-23



Inaugural Function of STTP Day 1



Resource Person taking session on Day 2 of STTP



Resource Person taking session on Day 3 of STTP



Valedictory Function of STTP on Day 4

Dr. S. S. Ittanavar -   
(ISTE convener)  
Prof. K. S. Patil   
Prof. B. P. Khot   
Prof. S. R. Malluramath

STTP Coordinators

Prof. D. M. Kumbhar

ECSA Coordinator

Dr. M.C. Sarsamba

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