	S J P N Trust's	Mech. Engg. Dept.
	Hirasugar Institute of Technology, Nidasoshi	**AIMSS**
	Approved by AICTE, Recognized by Govt..of Karnataka and Affiliated to VTU Belagavi.	**Activity Report**
	Accredited at 'A' Grade by NAAC	
	Programmes Accredited by NBA: CSE, ECE, EEE & ME.	**AY:2020-21**

(ME/AY-2020-21Odd/Aca/Circular/07, Dated: 02/11/2020)

Activity Report

Sl.No.	Title of the information	Information in brief
1	Identified Gap No/s.:	7,17,30
2	Activity Type:	Training
3	Activity/Event Organizer/s or Coordinator/s:	Prof. B. M. Dodamani Prof. M. S. Futane
4	Title of the Activity/Event:	One Week Training Programme on Arduino ,IOT &Robotics Programming
5	Time: Date:	09.00 AM to 05.15 PM 25-03-2021 To 31-03-2021
6	Venue:	CAED Lab
7	Objectives:	To create multidisciplinary skills for Mechanical Engineering students
8	Activity Outcomes:	PO1:Engineering knowledge-3 PO2: Problem analysis-3 PO3: Design/development of solutions-3 PO4: Conduct investigations of complex problems PO5: Modern tool usage-3 PO9: Individual and team work-2 PO12: Life-long learning-2 PSO3:Multidesciplinary approach in mechanical industries-3
9	Details of Resource Person/s with contact details:	Mr. ToushifIqbal Trainer, Tech-Fortune Technologies, Bangalore Email: mvk@tech-fortune.com Mobile: :+91-8317355535
10	Finance Management:	Expenses incurred by the Department Association AIMSS
11	No. of participants	Students: Boys : 23 & Girls :03, Staff: Nil

Sl.No.	Title of the information	PO mapped	Weight-age assigned (1/2/3)	%age of Attainment	Level of attainment
12	Mapped POs ,Weight-age assigned & %age of attainment : PO (Weight-age)	PO1	3	93.1	2.793
		PO2	3	93.1	2.793
		PO3	3	93.1	2.793
		PO4	3	93.1	2.793
		PO5	3	93.1	2.793
		PO9	2	93.1	1.862
		PO12	2	93.1	1.862

Sl.No.	Title of the information	PSO mapped	Weight-age assigned (1/2/3)	%age of Attainment	Level of attainment
13	Mapped PSOs ,Weight-age assigned & %age of attainment : PSO (Weight-age)	PSO3	3	93.1	2.793

Sl.No.	Title of the information	Information in brief
14	Outcomes achieved/Impact analysis:	1.The activity mapped with PO1, PO2, PO3, PO4, PO5, PO9 and PO12 was found satisfactory with attainment levels of 2.943, 2.943, 2.943, 2.943, 2.943, 1.962and 1.962against the mapped values during the impact analysis. 2.The activity mapped with PSO3 was found satisfactory with attainment levels of 1.962against the mapped value during the impact analysis

Nidasoshi, Taq: Hukkeri, Dist: Belgaum, Karnataka - 591 236
Phone: +91-8333-278887, Fax: 278886, Web:www.hsit.ac.inMail:hod.mech@hsit.ac.in

Page 1 of 2

	S J P N Trust's	Mech. Engg. Dept.
	Hirasugar Institute of Technology, Nidasoshi	**AIMSS**
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	Accredited at 'A' Grade by NAAC	**Activity Report**
	Programmes Accredited by NBA: CSE, ECE, EEE & ME.	**AY:2020-21**

Photo Gallery

Dr. S. N. Topannavar, Professor and HOD, Mechanical Engineering Department, Hirasugar Institute of Technology Nidasoshi is addressing students during inauguration of one week training Program on Arduino ,IOT &Robotics Programming held from 25-03-2021 To 31-03-2021 in Mechanical Seminar hall.

Mr. ToushifIqbal Trainer, Tech-Fortune Technologies, Bangalore is providing hands on one week training programon Arduino ,IOT &Robotics Programming to our students held from 25-03-2021 To 31-03-2021 in CAED lab.
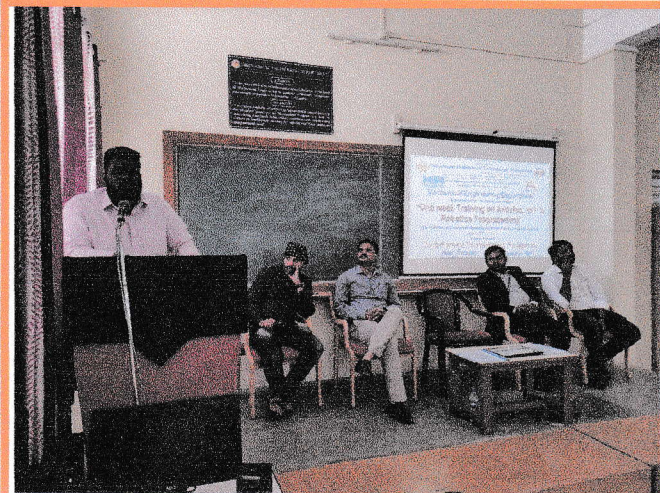
Mr. Nikhil Shettennavar student Mechanical Engineering department is delivering feedback about the trainingprogram on Arduino, IOT &Robotics Programming held from 25-03-2021 To 31-03-2021in NBA seminar hall.

Group photo of students, trainer and staff of one week training on One week training Programme on Arduino, IOT& Robotics Programming held from 25-03-2021 To 31-03-2021.

Mr. VivekanandKambi
AIMSS Secretary

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

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

Nidasoshi, Taq: Hukkeri, Dist. Belgaum, Karnataka - 591 236
Phone: +91-8333-278887, Fax: 278886, Web:www.hsit.ac.inMail:hod.mech@hsit.ac.in

Page 2 of 2

S.J.P.N.TRUST'S
HIRASUGAR INSTITUTE OF TECHNOLOGY,
NIDASOSHI-591236
Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU Belagavi.
Accredited at 'A' Grade by NAAC
Programmes Accredited by NBA: ME,CSE,ECE & EEE

MECHANICAL ENGINEERING DEPARTMENT

Cordially welcomes you

ONE WEEK TRAINING PROGRAM ON FUNDAMENTALS OF ARDUINO, IOT & ROBOTICS PROGRAMMING

(An Initiative of Curriculum Enrichment through Industry Participation)

Multidisciplinary Approach

In association with

TECH FORTUNE
we stand for excellence

Tech Fortune academy, Bengaluru

STARTS ON

25TH MARCH 2021

Venues:
Mechanical seminar Hall
Computer Labs

https://forms.gle/Ds84ByMKK9KLSUY9

To register follow link

**OR
Scan Here**

Training Highlights

- Basics of Electronics.
- Concepts of Voltage & Current.
- Introduction to Sensors & working of Sensors.
- Introduction to Embedded Systems.
- Introduction to Microcontrollers & Microprocessors.
- Different types of Microcontrollers & Microprocessors.
- Basics of C & embedded C Programming.
- The Arduino Platform.
- The Arduino Open-Microcontroller Platform.
- Arduino Basics.
- Arduino Board Layout & Architecture.
- Arduino Programming fundamentals & Structure.
- Interfacing Sensors to Arduino.
- Reading Digital & Analog Sensors.
- Using Serial Communication.
- Activating Relays & switches.
- Introduction to IoT.
- Different IoT Platforms.
- Client Server basics.
- Local Host & Online Host.
- Introduction to NodeMCU.
- Interfacing Sensors and devices to NodeMCU
- Connecting to Local WiFi.
- Displaying Sensor values over Local Server.
- Introduction to Cloud Servers.
- Displaying Sensor Values over Cloud Servers.
- Mini Project.

Terms & Conditions

- Registration fee is Rs. 2000/- per student
- Certificate will be issued after completion of Training
- Arduino H/W kit will be provided for each group of 4 students
- Placement assistance will be provided after completion of Training

CONTACT US:

EVENT CO-ORDINATORS

PROF. B.M.DODAMANI@ 9945348448

PROF.M.S.FUTANE @9164105035

DR.S.N.TOPANNAVAR
HOD-MECH @ 9482440235

DR.S.C.KAMATE
PRINCIPAL

To register follow link
https://forms.gle/Dss84ByMKK9KLSUY9

OR
Scan Here

	S J P N Trust's	Mech. Engg. Dept.
	Hirasugar Institute of Technology, Nidasoshi	IIIC
	Approved by AICTE, Recognized by Govt..of Karnataka and Affiliated to VTU Belagavi.	Vocational Trainings
	Accredited at 'A' Grade by NAAC	
	Programmes Accredited by NBA: CSE, ECE, EEE & ME.	AY:2020-21

To

The Principal   24th March 2021

HIT, Nidasoshi

Sub: Permission to conduct one week Training Program on "Fundamentals of Arduino, IoT & Robotics Programming" for Final Year & Pre final year students
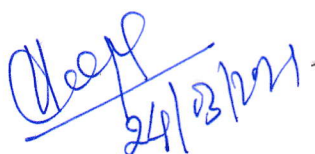
Respected Sir,

With reference to the above said subject, Department of Mechanical Engineering is organizing One week Training program on "Fundamentals of Arduino, IoT & Robotics Programming" for Final Year & Pre final year students during 25th -30th March 2021.

We request you to permit to conduct the same.

Thanking you,

Yours faithfully
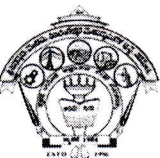
Course Coordinators

1. B.M. Dodamani

2. M.S. Futane

Dr.S.N.Topannavar

HOD
Mechanical Engg
HIT, Nidasoshi

Permitted
24/03/21

	S J P N Trust's	Mech. Engg. Dept.
	Hirasugar Institute of Technology, Nidasoshi	IIIC
	Approved by AICTE, Recognized by Govt..of Karnataka and Affiliated to VTU Belagavi.	Vocational Trainings
	Accredited at 'A' Grade by NAAC **Programmes Accredited by NBA: CSE, ECE, EEE & ME.**	AY:2020-21

To

The Principal   24th March 2021

HIT, Nidasoshi

Sub: Request to make an arrangement to provide Food & Accommodation to Resource person of One week training to be conducted during 25th to 30th March 2021

Respected Sir,

With reference to the above said subject, Department of Mechanical Engineering is organizing One week Training program on "Fundamentals of Arduino, IoT & Robotics Programming" for Final Year & Pre final year students during 25th -30th March 2021. We request you to make an arrangement to provide Food & Accommodation to Resource person

Kindly do the needful

Thanking you,

Yours faithfully

HOD
Mechanical Engg
HIT, Nid-

Permitted
24/03/21

Copy to:

1. S.J.P.N. Trust office
2. Warden, HIT Boys Hostel

ONE WEEK TRAINING ON "FUNDAMENTALS OF ARDUINO, IoT & ROBOTICS PROGRAMMING

TECH FORTUNE
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During: 25th March to 30th March 2021. **Course-Coordinator:** Prof.B.M.Dodamani.Prof.M.S.Futane. Mech Engg Dept
Mobile: 9945348448 **E-mail:** bmdodamani.mech@hsit.ac.in

SCHEDULE

	9 to 9:15 am	15 mins. Tiffin Break	9:30 to 10am	10 to 11:30 am	15 mins. Tea-Break	11:45am to 01:15pm	45 mins. Lunch-Break	2 to 3:30pm	15 mins. Tea-Break	3:45 to 5:15pm
25th March 21	Registration		Inauguration	Session1-Basics of Electronics		Concept of voltage & current, Int. sensors & Working		Introduction to Embedded systems		Introduction to Microcontrollers & Micro processors

		9:00 to 11 am		11:15 to 1:15pm		1:15 to 3:15pm		3:30 to 8:00pm
26th March 21	30 mins. Tiffin	Types of Microcontrollers & Microprocessors	15 mins. Tea-Break	Basics of C & C Programming	60 mins. Lunch-Break	Arduino platform	15 mins. Tea-Break	Lab: Hands on Training Session
27th March 21		Arduino basics		Arduino programming fundamentals		Interfacing of sensors to Arduino		Lab : Hands on Training Session
28th March 21		Reading digital and analog sensor		Activating Relays & switches		Introduction to IoT		Lab : Hands on Training Session
29th March 21		Different IoT platforms		Mini Projects		Mini projects		Lab : Hands on Training session
30th March 21		Introduction to Cloud servers		Interfacing sensors & devices to Node MCU		Seminar by students		Valedictory function

Event Co-ordinators
Prof. B.M.Dodamani
Prof. M.S.Futane

Mr. Tousif Iqbal M.
Trainer

Dr. S.N.Topannavar
HOD-ME

HOD
Mechanical Engg.
HIT, Ni   ani
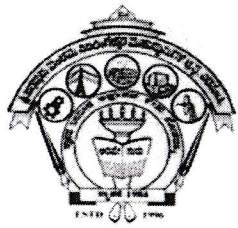
ONE WEEK TRAINING ON "FUNDAMENTALS ON ARDUINO, IoT & ROBOTICS PROGRAMMING
DURING: 25th -30th MARCH 2021
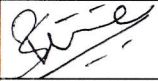
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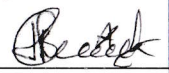
Host: Hirasugar Institute of Technology, Nidasoshi
Coordinator: Prof.B.M.Dodamani. Mech Engg Dept **Mobile:** 9945348448 **E-mail:**bmdodamani.mech@hsit.ac.in
Prof. M.S.Futane. Mech Engg Dept **Mobile:** 9164105035 **E-mail:**mohanfutane.mech@hsit.ac.in

REGISTRATION

Date: 25/03/2021

S.No.	Name of the Participant	USN	Name of the Institute/Organization	Mobile Number	Mode of Payment/UTR No	Sign	Remarks
1	Ajinkaykumar Sambhaji Bhosale	2HN18ME005	HIT, Nidasoshi	6360103570			
2	Shridhar Mudigoud	2HN18ME037	HIT, Nidasoshi	8105443562			
3	Maibub I Mulla	2HN18ME015	HIT, Nidasoshi	9591718442	108864676910		
4	Vijayalaxmi B Bugadi	2HN19ME412	HIT, Nidasoshi	9591160930	108614858601 G-Pay		
5	Sumitra Pandurang Shinde	2HN18ME041	HIT, Nidasoshi	8722424397	108614228159 GPay		
6	Vivekananda C Kambi	2HN18ME048	HIT, Nidasoshi	7406124053	T2103280952169333 451546		
7	Nikhil U Shettennavar	2HN18ME021	HIT, Nidasoshi	7996168131	108709778357		
8	Akash Bahubali Upadhye	2HN18ME006	HIT, Nidasoshi	9148696516	108709787186	A.B.Upadhye.	
9	Nikhil S Nandigon	2HN18ME020	HIT, Nidasoshi	6361213612	108709781620		
10	Nandish L Vibhuti	2HN18ME018	HIT, Nidasoshi	7204451583	108708615957	Nandish	
11	Rahul Chougula	2HN17ME035	HIT, Nidasoshi	9036658579	108711214498		
12	Hrishikesh.Rajendra.Yadav	2HN16ME026	HIT, Nidasoshi	7483129400	108811232956		

13	Mahantesh Hiremath	2HN19ME407	HIT, Nidasoshi	7026797668	108766183876		
14	Vinay Mathapati	2HN17ME062	HIT, Nidasoshi	9113857971			
15	Sacheen Patil	2HN18ME033	HIT, Nidasoshi	8618654241			
16	Sanket Sanjay Shetake	2HN17ME043	HIT, Nidasoshi	9035942207	108709235179		
17	Shreyansh Belavi	2HN17me047	HIT, Nidasoshi	9900551098	108725934980		
18	Ningaraj Budi	2HN17ME028	HIT, Nidasoshi	7338232411	108700778498		
19	Bahubali m Muggannavar	2HN17ME008	HIT, Nidasoshi	9071910151			
20	Vaibhav Kanagali	2HN17ME058	HIT, Nidasoshi	9663198702	P210328809324 261205 27856		
21	Hanamanth pujeri	2HN18ME012	HIT, Nidasoshi	6363129574	108848642703		
22	Babasab H Bagashahi	2HN18ME011	HIT, Nidasoshi	8310393040	108616147574		
23	Hasansab s yaragatti	2HN18ME013	HIT, Nidasoshi	9380648988	108710588845		
24	Prateek Shetti	2hn16ME050	HIT, Nidasoshi	8884261940			
25	Prashant Madiwalar	2HN18ME024	HIT, Nidasoshi	9611397983			
26	Praveen Chougale	2HN18ME026	HIT, Nidasoshi	7019482475			
27	Sunil Basappa Kuligod	2HN18ME042	HIT, Nidasoshi	7760766220	108807380022		
28	Shivaprasad Ammanagi	2HN18ME036	HIT, Nidasoshi	7022403970			
29	Akshay Badakundri	2HN19ME400	HIT, Nidasoshi	8153922466			
30	Shweta Mallikarjun Kumbar	2HN19ME410	HIT, Nidasoshi	8296654234	108820835771		
31	Arun C Tubachi	2HN19ME402	HIT, Nidasoshi	7892906462			

32	Devendra Chougule	2HN19ME404	HIT, Nidasoshi	9986259617		DCcuuf
33	Prithviraj Heralage	2HN19ME408	HIT, Nidasoshi	7353782204		
34	Amar Sangote	2HN19ME401	HIT, Nidasoshi	9071417721	108808838756	Als
35	Shravan S Kurani	2HN19ME409	HIT, Nidasoshi	9611098640	109000807274	
36	Ajit Prakash Poojari	2HN17ME003	HIT, Nidasoshi	9945373090	109009385173	
37	Ramkrishna K Magdum	2HN18ME031	HIT, Nidasoshi	9844519754		
38	Ravi magadum	2HN18ME032	HIT, Nidasoshi	9901792724		Pa
39	Praveen Chougule	2HN18ME026	HIT, Nidasoshi	7019482475	109080576105	
40	Arun Nagappa chougule	2HN18ME010	HIT, Nidasoshi	8152838821	108616063837	
41	Mahantesh Kamate	2HN17ME020	HIT, Nidasoshi	9743389053	108970332166	
42	Punit Kumar. P. N	2HN17ME034	HIT, Nidasoshi	9483984043	108822217220	

Event Coordinators

1. Prof. B.M.Dodamani   25/3/21
2. Prof.M.S.Futane

Mr. Tousif Iqbal M G

Trainer from Tech- Fortune

Dr. S.N.Topannavar

HOD-

Mechanical Engg
HIT, Nidasoshi
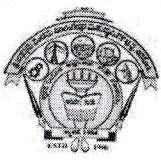
ONE WEEK STTP ON "FUNDAMENTALS OF ARDUINO, IoT & ROBOTICS PROGRAMMING"

During: 25th-30th March 2021.

Host: Hirasugar Institute of Technology, Nidasoshi

Date: 25/03/2021   Morning Session By: Mr. Tousif Iqbal M G, Tech-Fortune, Bangalore

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Attendance Sheet

S.N.	Name of the Participant	Sign (Morning Session)	Sign (Afternoon Session)
1	Ajinkaykumar Sambhaji Bhosale	AB	AB
2	Shridhar Mudigoud	AB	AB
3	Maibub I Mulla		
4	Vijayalaxmi B Bugadi		
5	Sumitra Pandurang Shinde		
6	Vivekananda C Kambi		
7	Nikhil U Shettennavar		
8	Akash Bahubali Upadhye	A.B.Upadhye	A.B.Upadhye
9	Nikhil S Nandigon		
10	Nandish L Vibhuti	Nandish	Nandish
11	Rahul Chougula		
12	Hrishikesh.Rajendra.Yadav		
13	Mahantesh Hiremath		
14	Vinay Mathapati		
15	Sanket Sanjay Shetake		
16	Shreyansh Belavi		
17	Ningaraj Budi		
18	Vaibhav Kanagali		
19	Hanamanth pujeri		
20	Babasab H Bagashahi		
21	Hasansab S yaragatti		
22	Praveen Chougale		

23	Sunil Basappa Kuligod	B	B
24	Shweta Mallikarjun Kumbar	*(signature)*	*(signature)*
25	Arun C Tubachi	AB	AB
26	Devendra Chougule	*(signature)*	*(signature)*
27	Amar Sangote	*(signature)*	*(signature)*
28	Shravan S Kurani	*(signature)*	*(signature)*
29	Ajit Prakash Poojari	*(signature)*	*(signature)*
30	Ravi Magadum	AB	AB
31	Praveen Chougule	*(signature)*	*(signature)*
32	Arun Nagappa chougule	*(signature)*	*(signature)*
33	Punithkumar .P.N	*(signature)*	*(signature)*

Event: Coordinators

1. Prof. B.M.Dodamani
2. Prof.M.S.Futane

Mr. Tousif Iqbal M.G
Trainer from Tech-Fortune

Dr. S.N.Topannavar
HOD-ME
HOD
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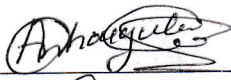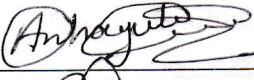# ONE WEEK STTP ON"FUNDAMENTALS OF ARDUINO, IoT & ROBOTICS PROGRAMMING"
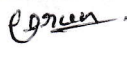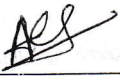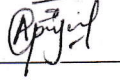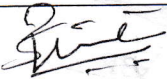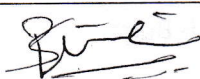
During: 25th -30th March 2021.

Host: Hirasugar Institute of Technology, Nidasoshi

Date: 26/03/2021   Morning Session By: Mr. Tousif Iqbal M G, Tech-Fortune, Bangalore

Attendance Sheet

S.N.	Name of the Participant	Sign (Morning Session)	Sign (Afternoon Session)
1	Ajinkaykumar Sambhaji Bhosale	AB	AB
2	Shridhar Mudigoud	AB	AB
3	Maibub I Mulla		
4	Vijayalaxmi B Bugadi	VBB	VBB
5	Sumitra Pandurang Shinde		
6	Vivekananda C Kambi		
7	Nikhil U Shettennavar	AB	AB
8	Akash Bahubali Upadhye	A.B. Upadhye	A B Upadhye
9	Nikhil S Nandigon	AB	AB
10	Nandish L Vibhuti	Nandish	Nandish
11	Rahul Chougula		
12	Hrishikesh.Rajendra.Yadav		
13	Mahantesh Hiremath		
14	Vinay Mathapati	AB	AB
15	Sanket Sanjay Shetake		
16	Shreyansh Belavi		
17	Ningaraj Budi		
18	Vaibhav Kanagali		
19	Hanamanth pujeri		
20	Babasab H Bagashahi		
21	Hasansab S yaragatti		
22	Mahantesh Kamate		

23	Sunil Basappa Kuligod		
24	Shweta Mallikarjun Kumbar		
25	Arun C Tubachi		AB
26	Devendra Chougule	AB	AB
27	Amar Sangote		
28	Shravan S Kurani		
29	Ajit Prakash Poojari		
30	Ravi Magadum	AB	AB
31	Praveen Chougule		
32	Arun Nagappa chougule		
33	Punithkumar .P.N		

Event Coordinators

1. Prof. B.M.Dodamani
2. Prof.M.S.Futane

Mr. Tousif Iqbal M.G
Trainer from Tech-Fortune

Dr. S.N.Topannavar
HOD-ME

HOD
Mechanical Engg.
HIT, Nidasoshi

ONE WEEK STTP ON "FUNDAMENTALS OF ARDUINO, IoT & ROBOTICS PROGRAMMING"

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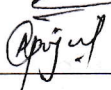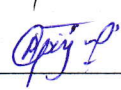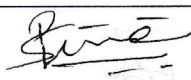
During: 25th -30th March 2021.

Host: Hirasugar Institute of Technology, Nidasoshi

Date: 27/03/2021   Morning Session By: Mr. Tousif Iqbal M G, Tech-Fortune, Bangalore

Attendance Sheet

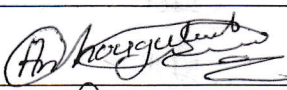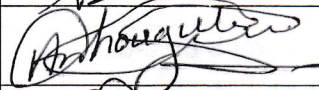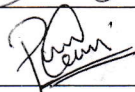| S.N.	Name of the Participant	Sign (Morning Session)	Sign (Afternoon Session)
1	Ajinkaykumar Sambhaji Bhosale	AB	AB
2	Shridhar Mudigoud	AB	AB
3	Maibub I Mulla		
4	Vijayalaxmi B Bugadi		
5	Sumitra Pandurang Shinde		
6	Vivekananda C Kambi		
7	Nikhil U Shettennavar		
8	Akash Bahubali Upadhye	A.B Upadhye.	A.B Upadhye.
9	Nikhil S Nandigon		
10	Nandish L Vibhuti	Nandish	Nandish
11	Rahul Chougula		
12	Hrishikesh.Rajendra.Yadav		
13	Mahantesh Hiremath		
14	Sanket Sanjay Shetake		
15	Shreyansh Belavi		
16	Ningaraj Budi		
17	Vaibhav Kanagali		
18	Hanamanth pujeri		
19	Babasab H Bagashahi		
20	Hasansab S yaragatti		
21	Mahantesh Kamate		
22	Sunil Basappa Kuligod		

| 23	Shweta Mallikarjun Kumbar		
24	Arun C Tubachi	AB	AB
25	Devendra Chougule	AB	AB
26	Amar Sangote		
27	Shravan S Kurani		
28	Ajit Prakash Poojari		
29	Ravi Magadum	AB	AB
30	Praveen Chougule		
31	Arun Nagappa chougule		
32	Punithkumar .P.N		

Event Coordinators

1. Prof. B.M.Dodamani
2. Prof.M.S.Futane

Mr. Tousif Iqbal M.G
Trainer from Tech-Fortune

Dr. S.N.Topannavar
HOD-ME

HOD
Mechanical Engg.
HIT, Nidasoshi
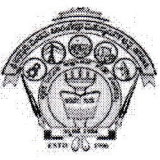
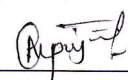# ONE WEEK STTP ON"FUNDAMENTALS OF ARDUINO, IoT & ROBOTICS PROGRAMMING"
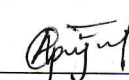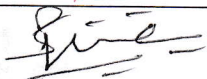
During: 25th -30th March 2021.

Host: Hirasugar Institute of Technology, Nidasoshi

Date: 28/03/2021   Morning Session By: Mr. Tousif Iqbal M G, Tech-Fortune, Bangalore

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Attendance Sheet

S.N.	Name of the Participant	Sign (Morning Session)	Sign (Afternoon Session)
1	Maibub I Mulla		
2	Vijayalaxmi B Bugadi		
3	Sumitra Pandurang Shinde		
4	Vivekananda C Kambi		
5	Nikhil U Shettennavar		
6	Akash Bahubali Upadhye	A.B.Upadhye	A.B.Upadhye.
7	Nikhil S Nandigon		
8	Nandish L Vibhuti	Nandish	Nandish
9	Rahul Chougula		
10	Hrishikesh.Rajendra.Yadav		
11	Mahantesh Hiremath		
12	Sanket Sanjay Shetake		
13	Shreyansh Belavi		
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15	Vaibhav Kanagali		
16	Hanamanth pujeri		
17	Babasab H Bagashahi		
18	Hasansab S yaragatti		
19	Mahantesh Kamate		
20	Sunil Basappa Kuligod		SK
21	Shweta Mallikarjun Kumbar		
22	Amar Sangote		

23	Shravan S Kurani		
24	Ajit Prakash Poojari		
25	Ravi Magadum	AB	AB
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27	Arun Nagappa chougule		
28	Punithkumar .P.N		

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Mr. Tousif Iqbal M.G
Trainer from Tech-Fortune

Dr. S.N.Topannavar
HOD-ME

HOD
Mechanical Engg.
HIT, Nidasoshi

ONE WEEK STTP ON "FUNDAMENTALS OF ARDUINO, IoT & ROBOTICS PROGRAMMING"
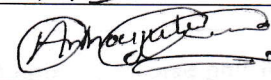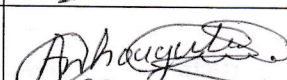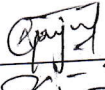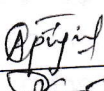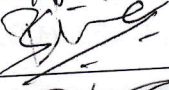
During: 25th -30th March 2021.

Host: Hirasugar Institute of Technology, Nidasoshi

Date: 29/03/2021   Morning Session By: Mr. Tousif Iqbal M G, Tech-Fortune, Bangalore

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7	Nikhil S Nandigon		
8	Nandish L Vibhuti	Nandish	Nandish
9	Rahul Chougula		
10	Hrishikesh.Rajendra.Yadav		AB
11	Mahantesh Hiremath		
12	Sanket Sanjay Shetake		AB
13	Shreyansh Belavi		
14	Ningaraj Budi	AB	AB
15	Vaibhav Kanagali		
16	Hanamanth pujeri		
17	Babasab H Bagashahi		
18	Hasansab S yaragatti		
19	Mahantesh Kamate		
20	Sunil Basappa Kuligod		
21	Shweta Mallikarjun Kumbar		
22	Amar Sangote		

23	Shravan S Kurani		
24	Ajit Prakash Poojari		
25	Praveen Chougule		
26	Arun Nagappa chougule		AB
27	Punithkumar .P.N		

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Dr. S.N.Topannavar
HOD-ME

HOD
Mechanical Engg,
HIT, Nidasoshi
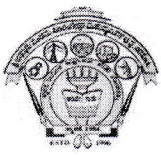
ONE WEEK STTP ON "FUNDAMENTALS OF ARDUINO, IoT & ROBOTICS PROGRAMMING"
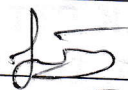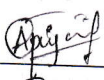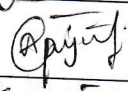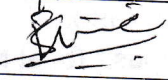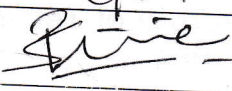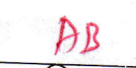
During: 25th -30th March 2021.

Host: Hirasugar Institute of Technology, Nidasoshi

Date: 30/03/2021   Morning Session By: Mr. Tousif Iqbal M G, Tech-Fortune, Bangalore

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Attendance Sheet

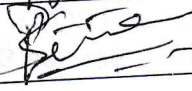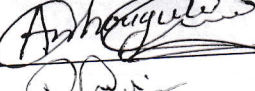| S.N.	Name of the Participant	Sign (Morning Session)	Sign (Afternoon Session)
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7	Nikhil S Nandigon		AB
8	Nandish L Vibhuti	Nandish	Nandish
9	Rahul Chougula	Chougules	AB
10	Hrishikesh.Rajendra.Yadav		
11	Mahantesh Hiremath		
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26	Arun Nagappa chougule	AB	AB
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2. Prof.M.S.Futane

Mr. Tousif Iqbal M.G
Trainer from Tech-Fortune

Dr. S.N.Topannavar
HOD-ME

HOD
Mechanical Engg,
HIT, Nidasoshi

Mechanical Engineering Department
HIT
NIDASOSHI
591236

ONE WEEK STTP ON"FUNDAMENTALS OF ARDUINO, IoT & ROBOTICS PROGRAMMING"

During : 25th to 30th March 2021.

Host: Hirasugar Institute of Technology, Nidasoshi

Date: 31/03/2021   Morning Session By: Mr. Tousif Iqbal M G, Tech-Fortune, Bangalore
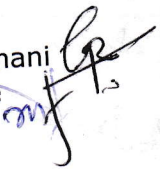
Attendance Sheet

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11	Mahantesh Hiremath		
12	Sanket Sanjay Shetake		AB
13	Shreyansh Belavi	AB	AB
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18	Hasansab S Yragatti		
19	Mahantesh Kamate	AB	AB
20	Sunil Basappa Kuligod		AB

S.N.	Name of the Participant	Sign (Morning Session)	Sign (Afternoon Session)
21	Shweta Mallikarjun Kumbar	DP	AB
22	Amar Sangote	AB	AB
23	Shravan S Kurani	AB	AB
24	Ajit Prakash Pojari	Ajit	DB
25	Praveen Chougule	DB	AB
26	Arun Nagappa Chougule	AB	AB
27	Punithkumar P.N	Puni	AB

Event Coordinators

1. Prof.B.M.Dodamani
2. Prof. M.S. Futane

Mr. Tousif Iqbal M.G
Trainer from Tech-Fortune

Dr. S.N.Topannavar
HOD-ME

HOD
Mechanical Engg.
HIT. Nidasoshi

	S J P N Trust's	Mech. Engg. Dept.
	Hirasugar Institute of Technology, Nidasoshi	IIIC
	Approved by AICTE, Recognized by Govt..of Karnataka and Affiliated to VTU Belagavi.	
	Accredited at 'A' Grade by NAAC	Vocational Trainings
	Programmes Accredited by NBA: CSE, ECE, EEE & ME.	AY:2020-21

Course ware for One week Vocational training on "Fundamentals of Auduino, IoT & Robotics Programming" during 25th -30th March 2021

- Basics of Electronics.

- Concepts of Voltage & Current.

- Introduction to Sensors & working of Sensors.

- Introduction to Embedded Systems.

- Introduction to Microcontrollers & Microprocessors.

- Different types of Microcontrollers & Microprocessors.

- Basics of C & embedded C Programming.

- The Arduino Platform.

- The Arduino Open-Microcontroller Platform.

- Arduino Basics.

- Arduino Board Layout & Architecture.

- Arduino Programming fundamentals & Structure.

- Interfacing Sensors to Arduino.

- Reading Digital & Analog Sensors.

- Using Serial Communication.

- Activating Relays & switches.

- Introduction to IoT.

- Different IoT Platforms.

- Client Server basics.

- Local Host & Online Host.

- Introduction to NodeMCU.

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	Accredited at 'A' Grade by NAAC	**Vocational Trainings**
	Programmes Accredited by NBA: CSE, ECE, EEE & ME.	AY:2020-21

- Interfacing Sensors and devices to NodeMCU.
- Connecting to Local WiFi.
- Displaying Sensor values over Local Server.
- Introduction to Cloud Servers.
- Displaying Sensor Values over Cloud Servers.
- Mini Project.

Required Facilities:

Since this workshop is based on hands on Training, hence we expect the College to fulfill some basic requirements.

- Need class rooms with ample space so that we can easily reach each and every student.
- The classroom should be equipped with White Board and also Projector for displaying the content.
- Labs with computers and enough power sockets for powering up the devices.
- The hands on practice also requires hardware parts like, Microcontroller boards, Sensors, Power adapters so that the students can practice and work on all the experiments.
- List of all the components required is attached below please make sure to fulfill it.

1. Arduino Uno Microcontroller Board.
2. NodeMCU Development Board.
3. 5mm Leds

4. 1k Resistor.

5. Zero PCB.

6. Black & Red Wire.

7. Header Pins Male & Female.

8. Soil Moisture Sensor.

9. PIR Sensor.

10. IR Sensor.

11. Soldering Gun with Stands.

12. Soldering Flux.

13. Soldering Lead.

14. 12V 1 A DC Adapter.

15. Jumper Cables Male to Female.

16. Jumper Cables Male to Male.

17. Jumper Cables Female to Female.

The quantities of the above mentioned materials depends upon the number of students participating in the program. Once the College confirms the number of students participating in the program, we will inform you about the quantity of the above mentioned material. We make batches of students for hands on training and usually club 4 students in one batch.

Tousif Iqbal M G

Sr.Embedded & Robotics Engineer

About:

Tousif Iqbal is an Electronics & Communications Engineer and is working as an Embedded Trainer since past 6 years.

Started as a Trainer working with tech fortune from year 2013. This Startup deals with training the technical students and also is involved in development of Electronics Circuits such as Microcontroller Development Boards, Relay and Opto Relay Boards, Power boards etc.

He is been involved in training students from E&C, E&E, CS/IS & Robotics engineering. This training involves conducting workshops, Internship programs and delivering seminars on evolving technologies.
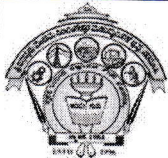
He has the experience of working on various Microcontroller and Microprocessor platforms, along with DiY robots.

A Maker, tinkerer and hobbyist, he is been involved in the various domains of electronics & embedded systems that include Embedded Hardware, PCB Designing, DiY hardware, robotics, Control Systems, IoT, Drones etc.

He is also working as a Mentor for KTECH Incubation Centre at BLDEA's college of Engineering & Technology since past 3 years which is sponsored by Ministry of IT & BT Gove of Karnataka.

Skills: Embedded Hardware, PCB Designing, Robotics, IoT, Drone Designing, Automation, Fabrication, Control Systems, C/C++ Embedded C, Networking & Computer Hardware.
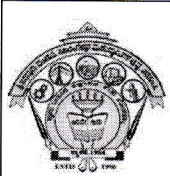
	S J P N Trust's	Mech. Engg. Dept.
	Hirasugar Institute of Technology, Nidasoshi	IIIC
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	Accredited at 'A' Grade by NAAC **Programmes Accredited by NBA: CSE, ECE, EEE & ME.**	AY:2020-21

HIT/ME/20-21/01/04/21/82

Certificate of Appreciation-cum-Gratitude

We are extremely pleased to have you as a resource person for One week Training on **"Fundamentals of Arduino, IoT & Robotics Programming"** held during 25th to 31st March 2021 at Our Department.

Prof. B.M.Dodamani
Course Coordinator

01/04/2021

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

Received

TECH FORTUNE
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TECH FORTUNE ACADEMY

Certificate of Participation

Presented to

Praveen. Choubule.

DEPARTMENT OF MECHANICAL ENGINEERING
Hirasugar Institute of Technology, Nidasoshi

For Successful participation in One week Training program on

FUNDAMENTALS OF ARDUINO, IoT & ROBOTICS PROGRAMMING

During
25th - 30th March 2021

PROF.B.M.DODAMANI
PROF.M.S.FUTANE
INSTITUTE COURSE CO-ORDINATOR

DR. S.N.TOPANNAVAR
HOD

MALLIKARJUN KULKARNI
CEO, TECH-FORTUNE

DR.S.C.KAMATE
PRINCIPAL

	S J P N Trust's	Mech. Engg. Dept
	Hirasugar Institute of Technology, Nidasoshi	Activities
	Inculcating Values, Promoting Prosperity Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU Belagavi.	Feedback
	Accredited at 'A' Grade by NAAC **Programmes Accredited by NBA: CSE, ECE, EEE & ME**	2020-21 (Odd)

FEEDBACK

Title of the Activity: **One week Training on Fundamentals of Arduino, IoT & Robotics Programming**	

Gap No.:7,;30,17	POs (Weightage 1/2/3): PO1 =3, PO2 =3 , PO3 =3 , PO4 =3 PO5=3 PO9=2 PO12=2	PSOs (Weightage 1/2/3): PSO2=3
Date/Duration: 25-03-2021 to 30-03-2021		Venue: Mechanical Seminar Hall &Computer Labs

Note: Solicit your response in numeric (10 points:Excellent-0 point: Not Good)

S.No.	Parameter	Numeric Response (0-10)
1	Inclusive of Relevancy/National Interest in the Activity/trained content	10
2	Applicable/Helpful to build and lead the better career after the graduation	9
3	Rate the resource person/s/Competency in the activity/event	10
4	Your development/+ve change during the activity/event	10
5	Overall motivation and inspiration received during the activity period	9
	Total points	48

Write your comments on activity/event organization (All Arrangements such as Hospitality, Logistics, and Hall etc.):

Nandish

Signature of the Participant

	S J P N Trust's	Mech. Engg. Dept.
	Hirasugar Institute of Technology, Nidasoshi	Activities
	Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU Belagavi.	Impact Analysis on Feedback
	Accredited at 'A' Grade by NAAC Programmes Accredited by NBA: CSE, ECE, EEE & ME.	AY:2020-21

Impact Analysis and PO & PSO Attainment

Activity Name: One Week Training Programme on Arduino , IOT &Robotics Programming

No. of Respondents (N): 20

Grand Total Points given by all respondents (T): 981

Impact Coefficient (IC=0-1)): Here, IC=T/ (N*50) = 981/ (20*50) =0.981

Mapped PO/s	Weightage Assigned (1/2/3)	PO Attained/Activity Contribution to the respective PO (IC*Weightage Assigned)	Mapped PSO/s	Weightage Assigned (1/2/3)	PO Attained/Activity Contribution to the respective PSO (IC*Weightage Assigned)
PO1	3	2.943	PSO3	3	2.943
PO2	3	2.943			
PO3	3	2.943			
PO4	3	2.943			
PO5	3	2.943			
PO9	2	1.962			
PO12	2	1.962			

Impact Analysis and PO & PSO Attainment

	PO1	PO2	PO3	PO4	PO5	PO9	PO12	PSO3
Weightage Assigned	3	3	3	3	3	2	2	3
Attained /Activity Contribution Respective PO	2.943	2.943	2.943	2.943	2.943	1.962	1.962	2.943

Nidasoshi, Taq: Hukkeri, Dist: Belgaum, Karnataka - 591 236
Phone:+91-8333-278887, Fax:278886, Web:www.hsit.ac.in, Mail:hod.mech@hsit.ac.in

Page **1** of **2**

	S J P N Trust's	Mech. Engg. Dept.
	Hirasugar Institute of Technology, Nidasoshi	Activities
	Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU Belagavi.	Impact Analysis on Feedback
	Accredited at 'A' Grade by NAAC	AY:2020-21
	Programmes Accredited by NBA: CSE, ECE, EEE & ME.	

Justification:

1. **Justification for Mapping of POs & PSOs**

Mapped POs/ PSOs	Weightage	Justification
PO1	3	This activity addresses substantiallyhelps to develop better programming skills using engineering knowledge.
PO2	3	This activity addresses substantially to anlayse by connecting multiple devices to each other and allow them to exchange real-time data in Arduino , IOT &Robotics Programming application used in mechanical engineering.
PO3	3	This activity addresses substantiallyhelps to generate log, graph, analyze sensor data, trigger data and home automation in Arduino , IOT &Robotics Programming application.
PO4	3	This activity addresses substantially helps to designs, manufactures, and supports electronic devices and software, allowing people around the world to easily access advanced technologies that interact with the physical world.
PO5	3	This activity educates substantially understanding the Arduino hardware and software tools techniques to develop Arduino boards applicable to mechanical systems.
PO9	2	This activity educatessubstantially the importance of individual and team efforts in Arduino , IOT &Robotics Programming application with multidisciplinary approach.
PO12	2	This activity addresses moderately importance of use of hardware and software for utilization on large-scale automation and robotic projects.
PSO3	2	This activity provides exposure to the current issues of industries with help of advace Arduino techology using coding and programming language as multidesciplinary approach.

2. The activity mapped with PO1, PO2, PO3, PO4, PO5, PO9 and PO12 was found satisfactory with attainment levels of 2.943, 2.943, 2.943, 2.943, 2.943, 1.962and 1.962against the mapped values during the impact analysis.

3. The activity mapped with PSO3 was found satisfactory with attainment levels of 1.962against the mapped value during the impact analysis

Conclusion: The activity organized to fulfill the program outcomes engineering knowledge, problem analysis, design/development of solutions, conduct investigations of complex problems, modern tool usage,Individual and team workand lifelong learning and PSO3 has mitigated the gap identified satisfactorily to some extent.

Future Suggestions: Such activities can extendedin line with current requirementfor utilization in large-scale automation and robotic projects of mechanical engineering field as exposure to Artificial Intelligence, Machine Learning & Python Coding.

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