

उन्नत भारत अभियान

ग्रामीण विकास एवं प्रौद्योगिकी केंद्र भारतीय प्रौद्योगिकी संस्थान. दिल्ली

हौंजस्वास, नयी दिल्ली– 110016



## **UNNAT BHARAT ABHIYAN** INDIAN INSTITUTE OF TECHNOLOGY, DELHI National Coordinating Institution

Address: V-405, IIT Delhi Main Rd, Block 5, Hauz Khas, New Delhi, 110016 Tel: +91-11-2659 1121/1157, Fax: +91-11-2659 1121 Email: <u>unnatbharatabhiyaniitd@gmail.com</u>

Date: January 30, 2023

То

Dr. S.N. Topannavar

## Hirasugar Institute of Technology, Belagavi, Karnataka

Subject: Financial Sanction of Technical Intervention project (No. RP-03525G) under UBA 2.0

Dear Sir

- This is to intimate you that Technology Intervention proposals under the category of "Technology Development": Project-No: RP-03525G entitled, "Advanced Community Solar Dryer for Agro Products" submitted by you under the Unnat Bharat Abhiyan 2.0 Program, has been approved by Sustainable Agriculture System SEG and funded by the National Coordinating Institute UBA 2.0 (IIT Delhi) against UTR No. – 269545171 vide dated 30-12-2022.
- 2. You can use the grant for fulfilling the project objectives under the approved heads as per the proposal, using the established procedure of your institute and as per the UBA guidelines, within 6 months from the date of receiving of funds. Kindly note that the utilization of funds allowed under the head "General Contingency" should not be more than 10% of the total sanctioned fund.

*Note:* TA/ Honorarium is strictly not permitted in this project.

- 3. Any product/service developed under the sanctioned project must have UBA logo on it.
- 4. Detailed information of faculty in-charge and students/volunteers, who will be coordinating/ working under the sanctioned project, shall be shared in the project report submitted by your institution.
- 5. The project implementation location/site shall be selected in consideration with gram panchayat officials/ members.

- 6. Please take care that the position holders/Panchayat officials shall not be benefitted in person. Also, ensure that the project shall not be controversial in terms of beneficiaries. Selection of beneficiaries shall include the Marginalized communities or EWS Category as well.
  - 7. Few videos and images shall be shared to the SEG Coordinator (for updating the status of the project), also the report shall contain good quality pictures of the project site/product/service and feedback from the villagers/beneficiaries.
  - 8. For the projects related to training camps, awareness, rally etc., the in-charge shall share the material/posters/modules to be used in the villages, for the knowledge of SEG Coordinator and further comments, if any.

You are required to submit the completion report/5-6 photographs/3 min videos of the project within two months after the completion of the project to the competent authority of NCI-IIT Delhi, UBA2.0 cell. Without the submission of the completion report, the opportunity for funding of a new project will not be facilitated.

lindum

Prof. Vivek Kumar National SEG Coordinator Unnat Bharat Abhiyan (UBA 2.0) National Coordinating Institute Indian Institute of Technology, Delhi

## IRD IIT Delhi IIT CAMPUS HAUZ KHAS

## PAYMENT ADVICE

То

THE PRINCIPAL AND CHAIRMAN HIRASUGAR INSTITUTE OF TECHNOLOGY

Dear Sir/Madam,



Details of the transactions initiated through SBI CMP in favour of you are

PAYMENT_INVOICE FIELDS	VALUES
JOURNAL_NUMBER	269545171
AMOUNT	1.00.000.00
DATE	30-12-2022
LINKAGE_FIELD	
AMOUNT	100000
TAX DEDUCTED	
PROJECT NO	
OUT REF NO	
DATE	
GROSS AMOUNT	100000
TOWARDS	PAYMENT TO PARTICIPATING INSTITUTE WORKING UNDER UBA VIDE GEN28593
BANK NAME	SBI
ACCOUNT NO	31868488488
IFSC CODE	SBIN0040302

Your Bank Account No: 31868488488

Your Bank IFSC Code: SBIN0040302

Please acknowledge receipt of the payment For IRD IIT Delhi

Authorised Signatory

This is Computer generated advice and does not require any Signature





## **PROJECT PRESENTATION SEG-UBA**

1 message

Sustainable Agriculture System SEG UBA <segubaiari@gmail.com> Thu, Sep 8, 2022 at 2:23 PM To: ramar@tnfu.ac.in, jbrandhawa2@gmail.com, noor.stphilos@gmail.com, matilda <matildags@yahoo.com>, rmssosirasa@gmail.com, nss@kce.ac.in, chemphilip27@gmail.com, drbadhunano@gmail.com, snakhtar@iul.ac.in, mathsvcew@gmail.com, srinivasan\_r@sastra.edu, hodcse@dsatm.edu.in, thakarear@rknec.edu, jenitha@drttit.edu.in, director@glbitm.org, sangheethaa@gmail.com, principalbfcet@babafaridgroup.com, jesnaanver@tistcocin.edu.in, uba@aec.org.in, senthilr@srmsit.edu.in, uba@selvamtech.edu.in, HoD IT <hod-it@srec.ac.in>, rohit.shinde@dypiemr.ac.in, Registrar Brainware University <registrar@brainwareuniversity.ac.in>, sntopannavar.mech@hsit.ac.in, bmansj@gmail.com, rmsasiraja@gmail.com, julie.ajai@gmail.com, rbchoudhary@sasi.ac.in

Dear all,

Greetings!

We take this opportunity to express our heartfelt gratitude for your time and contribution towards SEG-UBA project proposal presentations.

Now, we are organizing presentations under SEG-UBA in next week. There is an attached file with the final list of total proposals recommended under UBA SEG. Please prepare a presentation and share it with us within 2 days.

We will send you the link of the session soon till then please prepare your presentation and share that with us.

Thanks and Regards Aanchal Solanki Young Professional UBA, IARI, New Delhi.

on Behalf of Dr. B.S.Tomar JDE & Head (Vegetable science) Project Incharge, UBA IARI, New Delhi - 110012

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## Fwd: SBI CMP ePayment Advice - THE PRINCIPAL AND CHAIRMAN HIRASUGAR INSTITUTE OF TECHNOLOGY

1 message

**Dr.S.C.Kamate Principal,HIT, Nidasoshi(Belagavi)** <principal@hsit.ac.in> To: "S.N Topannavar" <sntopannavar.mech@hsit.ac.in> Sat, Dec 31, 2022 at 1:32 PM

With Regards Dr. S. C. Kamate Professor & Principal Hirasugar Institute of Technology NIDASOSHI - 591236 Belgaum Dist, Karnataka, INDIA Cell: 9480849331; Phone: 08333-278887; Fax: 08333-278886

------ Forwarded message ------From: <support.cmpcorp@alerts.sbi.co.in> Date: Fri, Dec 30, 2022 at 5:24 PM Subject: SBI CMP ePayment Advice - THE PRINCIPAL AND CHAIRMAN HIRASUGAR INSTITUTE OF TECHNOLOGY To: <principal@hsit.ac.in> Cc: <cmpird@iitd.ac.in>

Dear Sir/Madam, The attached beneficiary payment advice is for the credit to your account . This is issued at the request of our customer. The advice is for your reference only.

Yours faithfully, SBI CMP Services (Please do not respond to this email)

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The	The final list of selected Project Proposals under SEG of Unnat Bharat Abhiyan						
Sl No.	PI name and Institute name	AISHE Code	Email	Phone	Title of proposal	Overview of the proposal (please cover key points in 5-6 lines)	Funds requested
1	DR. M. RAMAR, COLLEGE OF FISHERIES ENGINEERING, NAGAPATTINAM	C-56483	ramar@tnfu.ac.in	9894919932	DEVELOPMENT OF EDIBLE PACKAGE TECHNOLOGY FOR FISH SOUP FOR ECONOMIC EMPOWERMENT OF VADAGUDI AND MANJAKOLLAI VILLAGERS	<ul> <li>Based on the technology already developed by the PI, edible, economical and eco-friendly package will be prepared for packing and selling fish soup powder</li> <li>The developed edible package will serve the need of the villagers for marketing their fish soup powder.</li> <li>This technology is not available in the market. Hence the fish soup with edible package sold by the villagers will attract more customers.</li> <li>To prepare business plan and give wide publicity Project Justification: Conventionally, soup powders are directly mixed with hot water and boiled for some time to cook the soup. There is no commercial technology available as soup packs similar to tea bags/packs. The PI has already developed edible packaging technology for fish soup powder. By developing this technology and transferring it to the villagers it can empower the village people economically</li> </ul>	1,00,000/-
2	DR JASMIRKAUR B RANDHAWA, GOVERNMENT COLLEGE OF ENGINEERING , NAGPUR	C-56586	jbrandhawa2@gmail.co m	9403588460	BOILING OF TURMERIC USING HIGH PARABOLIC TROUGH SOLAR COLLECTOR.	<ol> <li>To boil turmeric using solar energy without the use of traditional wood-fired boilers.</li> <li>To avoid environmental pollution.</li> <li>To eliminate the use of wood.</li> <li>To make the turmeric boiling process pollution-free.</li> <li>To reduce the time required for drying the cured turmeric</li> </ol>	1,00,000/-
3	DR. M. RAMAR, COLLEGE OF FISHERIES ENGINEERING, NAGAPATTINAM	C-56483	ramar@tnfu.ac.in	9894919932	SOLAR INFRARED HYBRID DRYER FOR HYGIENIC PRODUCTION OF DRY FISH	The overall objective of this proposal is to promote the hybrid solar drier for the fishers for hygienic dry fish production and entrepreneurship development of Nagapattinam fisherwomen's/entrepreneurs/SHG's. Fishing is one of the major occupations in the Nagapattinam district. Fishes are dried when the	1,00,000/-
s	•		Hiras	Dist-Balageon	e		Page <b>1</b> of <b>23</b>

1			the second se				
	2				6 <sup></sup>	propose an alternative approach to stubble	
2			· · · ·			management in a sustainable manner through in-	
						situ as well as ex-situ composting using bio-	
*					1.6	decomposers. This would help in reducing	
						environmental burden as well as improving soil	
		12				health through carbon sequestration.	
						Objectives	
						v To prepare the organic fertilizer in-situ and ex-	
	-					situ by using paddy straw stubble waste and bio-	
	26	2		a		decomposer	
			-	1.0		v To maintain the nutrient quality of the	
8 -		- K				vermicompost as well as soil quality	
						v To conduct hands-on training programme on	
8						preparation of vermicompost	
						v Technological development and awareness	
	-			- x	а. С	programme to reduce environmental pollution.	
						v To enhance carbon sequestration by in situ	8
2					6	residue management.	
30	DR.S.N.TOPANNÁV	C-1409	sntopannavar.mech@hs	9482440235	ADVANCED		1.00.000/-
1 Parts	AR, HIRASUGAR		it.ac.in		COMMUNITY	Ø To eliminate the unwanted and unpredictable	
	<b>INSTITUTE OF</b>				SOLAR DRYER	food spoilage of the agro products.Ø To study	-
	TECHNOLOGY				FOR AGRO	the characteristics and performance of the solar	
Ľ.					PRODUCTS	dryer system with continuous feeding & outlet	
			12			mechanism.Ø To develop a solar dryer system	
			-			for quality ensured products.Ø To Design &	
						Develop low cost & Product based Automated	
						(Ardunio Controlled) Solar Cabinet Dryer for	
		21				the welfare of Farmers & Food Processing	
						Industries. Ø To achieve favorable temperature	
108						for various agri-products with different wetness	
						with the help of effective Solar Tracking system.	
æ							



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## Fwd: SBI CMP ePayment Advice - THE PRINCIPAL AND CHAIRMAN HIRASUGAR **INSTITUTE OF TECHNOLOGY**

1 message

Dr.S.C.Kamate Principal,HIT, Nidasoshi(Belagavi) <principal@hsit.ac.in> To: "S.N Topannavar" <sntopannavar.mech@hsit.ac.in>

Sat, Dec 31, 2022 at 1:32 PM

With Regards Dr. S. C. Kamate **Professor & Principal Hirasugar Institute of Technology** NIDASOSHI - 591236 **Belgaum Dist, Karnataka, INDIA** 

Cell: 9480849331; Phone: 08333-278887; Fax: 08333-278886

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Dear Sir/Madam,

Z 2K

The attached beneficiary payment advice is for the credit to your account . This is issued at the request of our customer. The advice is for your reference only.

Yours faithfully, **SBI CMP Services** (Please do not respond to this email)



1/1



# Submission of Presentation PPT of AISHE Code:C-1409- Dr.S.N.Topannavar, PI & Program Coordinator-UBA, Hirasugar Institute of Technology

1 message

Dr.S.N.Topannavar <sntopannavar.mech@hsit.ac.in> To: segubaiari@gmail.com

Sat, Sep 10, 2022 at 12:01 PM

Respected sir, Ref: Your E-mail dated: 8th September 2022

With reference to the above cited subject and your e-mail, I am herewith submitting the presentation PPT

of my proposal in PPT and pdf forms.

I kindly request you to accept and acknowledge the same and do the needful.

Thanking you,

Yours faithfully

-Dr.S.N.Topannavar PI & Program Coordinator-UBA Dean (R&D) and Professor & Head, Mech. Engg. Dept. Hirasugar Institute of Technology At/Post:Nidasoshi-591236 Tal:Huklkeri, Dist Belagavi Mobile No.:9482440235

#### With warm regards Dr.S.N.Topannavar

Dean (Research & Development) Professor & Head, Mech. Engg. Dept. Hirasugar Institute of Technology At/Post:NIDASOSHI,PIN:591 236 Tal:Hukkeri, Dist:Belagavi, State:Karnataka, INDIA Mobile: 9482440235

#### 2 attachments

UBA-Advanced Community Solar Dryer.pptx 663K

UBA-Advanced Community Solar Dryer.pdf 892K



Our Project enlisted in page NO. 19 g 23 (enclored-final Selected list) am

Applied for :	Technology Development
Name of the College/ Institution	Hirasugar Institute of Technology, Nidasohsi
:	
UBA Coordinator Name :	Dr.S.N.Topannavar
UBA Coordinator mail id :	sntopannavar.mech@hsit.ac.in
UBA Coordinator Contact No :	9482440235
State :	Taluka: HukkeriDist: Belagavi Karnataka PIN:591236

## PROJECT TITLE: ADVANCED COMMUNITY SOLARDRYER FOR AGRO PRODUCTS

## **Objectives:**

- > To produce spoilage free agro-products for long term storage and export quality.
- To study the characteristics performance of the solar dryer system with continuous and flexible feeding & outlet mechanism.
- > To achieve agro-product based optimum dryness and health conscious ingredients.
- To Design & Develop affordable & Product based Automated (Ardunio Controlled) Solar Cabinet Dryer for the welfare of Farmers & Food Processing Industries.
- To achieve favorable temperature for various agro-products with the help of effective Solar Tracking system.

## Justification for the project:

## i) Problem Statement:

To study and develop a solar dryer in which the grains are dried continuously bycirculating heated air from the solar air heater with the help of manual solar tracking system. The problem of low, medium & large scale processor could be alleviated, if the solar dryer is designed and constructed with the consideration of overcoming the limitation of direct & indirect type of solar dryer. So therefore, this work will be based on importance of a solar dryer which is reliable and economically viable, adoptive design. The controlled drying of the various agro products with the help of the Ardunio controlled parameters. The project will help the farmers to enhance their economy and drying problems of various agro products.

## ii) Priority Needs:

- 1. The prime priority to the farmer for drying of grains, as they will receive benefit of this.
- 2. The Second Priority To Food Processing Industries To Increases The Food Quality.
- **3.** Community and APMC level
- 4. Scaled-up model at Taluka and Zilla Panchayath level

## iii) Proposed approach/Technical Intervention/customization:

- > Conducting field surveys to study the technical, commercial and societal parameters.
- > Consolidation of recommendations from survey analysis.
- > Visited to farm and had conversation with farmers about what problems they are facing.
- > And we pointed to main problem which they were facing that was drying of grains.
- > We can to know about how farmers dry they grains. They use to dry the grains on road side.
- ➤ And then we listed the problems which they were facing Problems like: unpredictable food spoilage, more time consumption&unwanted thing mixing with grains.
- Scale-up of pilot model to the community level

## iv) Brief plan of activities and implementation timeline:

Project starts from March, 2022 :

Month	Weeks	Tasks Completed
March	2 weeks	Conducting field surveys to study the technical, commercial and

		societal parameters. Consolidation of recommendations from
		survey analysis.
		To figure out the problem of drying of grains
March	2 weeks	Materials Selection & modelling
April	3weeks	Design Thinking
April-May	4 weeks	Fabrication Work
May-June	5 weeks	Experimentation with Raw materials & Agro-Products
June-July	4 weeks	Analysis, Results & Discussion
August	2 weeks	Conclusion

## Methodology, Materials and Financial Resources:

## Methodology:

The stepwise methodology to complete our Project is as below.

Step 01: Literature and field Surveys to study the technical, commercial and societal parameters, Analysis and Recommendations

- Step 02: Defining problem statement of the Project (Title)
- Step 03: With the help scope defining objectives
- Step 04: Material/Component selection and modelling & design of parts
- Step 05: Design thinking process to achieve objectives

Step 06: Assembling and Fabrication

Step 07: Lab and field experiments of pilot model. Experimentation with raw material & Agro-Products

Step 08: Analysis, Results & Discussions and recommendations

Step 09: Feedback from the farmer and market/industry and incorporation

Step 10: Based on the resources Scaling-up/prototyping of the device to the

community level and Conclusion/s

## Materials:

Fiber Glass Body, Solar Panel, Blower, Absorber Plate, Orifice meter, Glass Cover, Arduino UNO, Temperature Sensor(DHT11), Trays, Metal Beams For Body Fabrication&Fibre glass For Solar Air Heater.

## **Financial Resources:**

Budget	Amount in Rs.
a) Materials, Design and Development of Fiber glass body, Solar	70000.00
Visite Plate, Blower, Absorber Plate, Orifice meter, Glass cover, Arduno UNO, Temperature Sensor(DHT11), Trays, Metal Beams For Body	
Fabrication, Fiber glass For Solar Air Heater.	
b) FabricationLabor Charge	8000.00
c) Travelling Expenses & Running cost	20000.00
d) Site preparation cost	10000.00
e) Miscellaneous	10000.00
Total cost of the Technology in Rs.	118000.00

## **Outcome of the Project:**

The expected outcomes of our project are as below:

- > Ardunio Controlled agro-product based drying.
- > Affordable Cost agro-product Solar based Dryer.
- > Increased farmer income by quality product.
- > Automated & Product based controlled Drying.
- > Quality ensured Products Portable & Movable Farmer Friendly Dryer.

## **Proposal in Online Format**

Applied for :	Technology Development		
Name of the College/ Institution	Hirasugar Institute of Technology, Nidasohsi		
:			
UBA Coordinator Name :	Dr.S.N.Topannavar		
UBA Coordinator mail id :	sntopannavar.mech@hsit.ac.in		
UBA Coordinator Contact No :	9482440235		
State :	Taluka: HukkeriDist: BelagaviKarnataka PI	N:591236	
SEG Name:	Expert Group (SEG) of IIT Delhi, Rural Ene	rgy Systems	
RCI:	IIT Bombay		
AISHE Code of the College:	C-1409		
Adopted Villages are:	Nidasoshi, Ammanagi, Kesti, Borgal&Hatta	rwat	
Title:	ADVANCED COMMUNITY SOLAR DRY	YER FOR AGRO	
	PRODUCTS		
Village where it is to be	Nidasoshi		
implemented:			
Why this technology is required	> To produce spoilage free agro-pro	oducts for long term	
(Objective of the project	storage and export quality.		
maximum 200 word):	To study the characteristics performa	ance of the solar dryer	
	system with	utlat machanism	
	$\sim$ To achieve agro-product based of	ntimum dryness and	
	health conscious ingredients.	printani di jitess una	
	To Design & Develop affordabl	e & Product based	
	Automated		
	(Ardunio Controlled) Solar Cabinet Dryer for the welfare		
	of Farmers & Food Processing		
	To achieve favorable temperature $\sim$	e for various agro-	
	products with the help of		
	effective Solar Tracking system.		
Total Cost of the	Budget	Amount	
Product/Technology:	a) Materials, Design and Development of	70000.00	
	Fiber glass body, Solar Panel, Blower,		
	Absorber Plate, Orifice meter, Glass		
	cover, Arduino UNO, Temperature		
	Sensor(DHT11), Trays, Metal Beams For		
	Body Fabrication, Fibre glass For Solar		
	Air Heater.		
	b) Fabrication Labor Charge	8000.00	
	c) Travelling Expenses & Running cost	20000.00	
	d) Site preparation cost	10000.00	
	e) Miscellaneous	10000.00	
	Total Cost of the Technology 118000.00		
Fund raised from:	NA		
Describe your role as PI at	The role of PI is to identify the needs of the village people by		
various stage of the project (max	carrying out the survey in adopted villages. Based on the need		
500 words):	analysis of village people, technically feasible and economically		

	<ul> <li>viable system design is proposed for technological development and implementation through procurement of materials and accessories. After designing, testing of the proposed system is done.</li> <li>For smooth and safe operation of the system, necessary awareness with all information related to the project is provided to the beneficiary.</li> <li>1. Design and Development Stage: Suitable Human resource mobilization and laboratory supports</li> <li>2. Implementation Stage: Coordination between Gram Panchayat&amp; SEG Members</li> <li>3. Outcome Analysis Stage: Suitable human resource mobilization</li> </ul>
Process of execution of the	The stepwise methodology to complete our Project is as
Who are the beneficiaries (ST, SC, OBC, Tribal etc.) and	<ul> <li>The stepwise methodology to complete our Project is as below.</li> <li>Step 01: Literature and field Surveys to study the technical, commercial and societal parameters, Analysis and Recommendations</li> <li>Step 02: Defining problem statement of the Project (Title)</li> <li>Step 03: With the help scope defining objectives</li> <li>Step 04: Material/Component selection and modelling &amp; design of parts</li> <li>Step 05: Design thinking process to achieve objectives</li> <li>Step 06: Assembling and Fabrication</li> <li>Step 07: Lab and field experiments of pilot model.</li> <li>Experimentation with raw material &amp;Agro-Products</li> <li>Step 08: Analysis, Results &amp; Discussions and recommendations</li> <li>Step 09: Feedback from the farmer and market/industry and incorporation</li> <li>Step 10: Based on the resources Scaling-up/prototyping of the device to the community level and Conclusion/s</li> <li>Farmers having less farming land. The socio economic development of village farmers ant Gram Panchayat level/Community level and APMC level</li> </ul>
on the beneficiary and village :	12 Months
Role of stake holders in	12 Iviolitis
maintaining sustainability after the project duration (please mention point wise role of participating stake holders):	<ol> <li>Solar system related maintenance work</li> <li>Acquiring skills to operate automated system</li> <li>Suggesting to institute level SEGs for further improvement in design and development</li> <li>Addressing the grievances of the farmers and resolving</li> <li>Scaling of the project</li> </ol>
Execution of the project along with role of all participating stakeholders (write point wise max 500 words) :	<ul> <li>i) Problem Statement:</li> <li>To study and develop a solar dryer in which the grains are dried continuously by circulating heated air from the solar air heater with the help of manual solar tracking system. The problem of low, medium &amp; large scale processor could be alleviated, if the</li> </ul>

	solar dryer is designed and constructed with the consideration of overcoming the limitation of direct & indirect type of solar dryer. So therefore, this work will be based on importance of a solar dryer which is reliable and economically viable, adoptive design. The controlled drying of the various agro products with the help of the Ardunio controlled parameters. The project will help the farmers to enhance their economy and drying problems of various agro products.
	<ul><li>ii) Priority Needs:</li><li>1. The prime priority to the farmer for drying of grains, as they will receive benefit of this.</li><li>2. The Second Priority To Food Processing Industries To Increases The Food Quality.</li></ul>
	ii) Proposed approach/Technical Intervention/customization:
	<ul> <li>Conducting field surveys to study the technical, commercial and societal parameters.</li> <li>Consolidation of recommendations from survey analysis.</li> <li>Visited to farm and had conversation with farmers aboutwhat problems they are facing.</li> <li>And we pointed to main problem which they were facing that was drying of grains.</li> <li>We can to know about how farmers dry they grains. They use to dry the grains on road side.</li> <li>And then we listed the problems which they were facing Problems like: unpredictable food spoilage, more time consumption&amp;unwanted thing mixing with grains.</li> <li>Scale-up of pilot model to the community level</li> </ul>
Impact of this work on learning of students/ teachers:	Resolving the farmers' problems related to their agro products. Using of advanced technology to enhance the value of the agro products. Technology intervention in the agriculture.
Role of PI after completion of the project duration.	<ol> <li>Scaling of the project to reach all need people of the adopted villages</li> <li>Preparing DPR to the district level</li> <li>Automation for feeding and outlet mechanism to increase productivity</li> <li>Steps to increase the performance and efficiency of the project</li> <li>Design and development towards increasing the quality of the agro products for exporting.</li> <li>Steps to add relevant values to the agro products.</li> </ol>
Enter Name and Contact details of students involved in this project:	<ol> <li>AMIT.P.THORAT</li> <li>E-mail: amitandthorat19@gmail.com</li> <li>Mobile No.:7337722814</li> <li>SHWETA.M. KUMBAR</li> <li>Email id:shwetakumbar1999@gmail.com</li> <li>Mobile No.: 8296654234</li> <li>AJINKAYKUMAR.S.BHOSALE</li> <li>Email id: bhosaleajinkya41@gmail.com</li> <li>Mobile No.: 6360103570</li> </ol>

	4. SHRIDHAR.B.MUDIGOUD
	Emailid:shridharmudigoud1198@gmail.com
	Mobile No.: 8105443562
Enter Name and Contact details of peoples those will be involved in this project (From UBA connected / adopted village):	<ol> <li>Dr.M.M.Shivasimpi (Mobile no.:9742197173)</li> <li>Prof,M,I,Tanodi (Mobile no.:9611998812)</li> <li>Dr.K.M.Akkoli (Mobile no.:9739114856)</li> <li>Prof.D.N.Inamdar (Mobile no.:9591208980)</li> </ol>
Not	( lot

Dr. S.N.Topannavar Principal Investigator

Dr.S.N.Topannavar UBA Program Coordinator





**ಕನಾರ್ಕಟಕ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಪೋರ್ ಪೋರ್ವಾಹಕ ನೋಸೈಟ್** ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ, ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಹಾಗೂ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆ, ಕರ್ನಾಟಕ ಸರ್ಕಾರ 'ವಿಜ್ಞಾನ ಭವನ' ನಂ: 24/2, 3ನೇ ಮಹಡಿ, 21ನೇ ಮುಖ್ಯ ರಸ್ತೆ, ಬನಶಂಕರಿ 2ನೇ ಹಂತ, ಬೆಂಗಳೂರು-560 070 ದೂರವಾಣಿ/ಫ್ಯಾಕ್ಸ್: 080-26711166 / 26711160 ಇ-ಮೇಲ್: ksteps.dst@gmail.com

**ಡಾ. ಹೆಚ್. ಹೊನ್ನೇಗೌಡ** ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ದೇಶಕರು, ಕೆಸ್ಟೆಪ್ಸ್

ನಂ. KSTePS/VGST/K-FIST(L1)/2017-18/GRD-683/35/2018-19 /೨೦೨/ ೧ ದಿನಾಂಕ: 10.09.2018 ಮಾನ್ಯರೇ,

ವಿಷಯ: 2017–18ನೇ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ದಾರ್ಶನಿಕ ಸಮೂಹದ K-FIST(L1) ಯೋಜನೆಯಡಿಯಲ್ಲ ಮೊದಲನೇ ಕಂತಿನ ಅನುದಾನ ಬಡುಗಡೆ ಮಾಡುವುದರ ಬಗ್ಗೆ.

ಉಲ್ಲೇಖ: 1) ಸರ್ಕಾರಿ ಆದೇಶ ಸಂಖ್ಯೆ: ವಿಯಇ 154 ವಿತ್ರಮ 2018(ಭಾಗ–1), ದಿ. 18.08.2018

2) ಕಛೇರಿ ಪತ್ರ ಸಂಪ್ಯೆ: No. KSTePS/VGST/GRD-683/K-FIST(L1)/2018/152, Date: 27.08.2018

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ಮೇಲ್ಕಂಡ ವಿಷಯ ಮತ್ತು ಉಲ್ಲೇಖಗಳಗೆ ಸಂಬಂಧಿಸಿದಂತೆ, 2017–18ನೇ ಸಾಅನಲ್ಲಿ ತಮ್ಮ ಸಂಸ್ಥೆಯಿಂದ ಸಲ್ಲಸಿದ ಪ್ರಸ್ತಾವನೆಯಾದ "Coplanar Capacitive Coupled Probe Fed Microstrip Antennas with and without Air Gap for UWB and Multiband Applications" ನ್ನು ವಿತಂದಾಸದ ಪ್ರಮುಖ ಕಾರ್ಯಕ್ರಮವಾದ <u>Karnataka Fund for Infrastructure Strengthening in Science and</u> <u>Technology (K-FIST-L1)</u> ನ ಯೋಜನೆಯಡಿಯಲ್ಲ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ದಾರ್ಶನಿಕ ಸಮೂಹವು ಆಯ್ಕೆ ಮಾಡಿದ್ದು, ಅದರಂತೆ ಆದೇಶ ನೀಡಿರುವುದು ಸರಿಯಷ್ಠೆ.

ಈ ಸಂಬಂಧ, ವಿತಂದಾಸದ K-FIST(L1) ಯೋಜನೆಯಡಿ ಆಯ್ಕೆಯಾದ ತಮ್ಮ ಸಂಸ್ಥೆಗೆ ಮೊದಲನೇ ಕಂತಾಗಿ ರೂ. 10.00 ಲಕ್ಷಗಳ ಅನುದಾನವನ್ನು ಬಡುಗಡೆ ಮಾಡಲು ದಿನಾಂಕ: 10.09.2018 ರಂದು **The Principal, Hirasugar Institute of Technology, Nidasoshi** ಹೆಸರಿನಲ್ಲ ಚೆಕ್ (ಸಂ. 384883) ಬರೆದು, ಸದರಿ ಚೆಕ್ಕನ್ನು ಈ ಪತ್ರದೊಂದಿಗೆ ಲಗತ್ತಿಸಿ ಕಳುಹಿಸಿಕೊಡಲಾಗಿದೆ. ಮುಂದುವರಿದು, ಚೆಕ್ ಸ್ಟೀಕರಿಸಿದ ನಂತರ ಸ್ಟೀಕೃತಿ ರಶೀದಿ (Acknowledgement) ಯನ್ನು ಕೆಸ್ಟೆಪ್ಸ್ ಕಳುಹಿಸುವುದು ಹಾಗೂ ಸದರಿ ಅನುದಾನವನ್ನು ಯಾವುದಾದರು ರಾಷ್ಟ್ರೀಕೃತ ಬ್ಯಾಂಕ್ ಗಳಲ್ಲ ಉಳತಾಯ ಖಾತೆಯಲ್ಲಟ್ಟು (Saving Bank Account) ಅಗತ್ಯಕ್ಕನುಗಣವಾಗಿ ಅನುದಾನವನ್ನು ಬಳಸುವಂತೆ ಕೋರಲಾಗಿದೆ.

ಸದರಿ ಅನುದಾನವನ್ನು ಉದ್ದೇಶಿತ ಯೋಜನೆಗೆ ಮಾತ್ರ ಬಳಸಿಕೊಳ್ಳುವುದು ಹಾಗೂ ಎಲ್ಲಾ ವೆಚ್ಚಗಳನ್ನು ಕರ್ನಾಟಕ ಸಾರ್ವಜನಿಕ ಸಂಗ್ರಹಣೆಯಲ್ಲ ಪಾರದರ್ಶಕತೆ ಅಧಿನಿಯಮ, 1999ರ (Karnataka Transparency in Public Procurements Act, 1999 - http://finance.kar.nic.in/index.htm) ಅನುಸಾರ ಹಾಗೂ ದಾರ್ಶನಿಕ ಸಮೂಹ ಅನುಮೋದಿಸಿರುವ ವಿವಿಧ ಶೀರ್ಷಿಕೆಗಳಗೆ ಅನುಗುಣವಾಗಿ ಯೋಜನೆಯನ್ನು ಅನುಷ್ಠಾನಗೊಳಸುವುದು.

....2

ಮುಂದುವರಿದು, ಬಡುಗಡೆಯಾದ ಅನುದಾನವನ್ನು ಬಳಸಿಕೊಂಡ ನಂತರ ಎಲ್ಲಾ ವೆಚ್ಚಗಳನ್ನು ನೋಂದಾಯಿತ ಲೆಕ್ಕ ಪರಿಶೋಧಕರಿಂದ ಆಡಿಬ್ ಮಾಡಿಸಿ, ಈ ಪತ್ರದೊಂದಿಗೆ ಲಗತ್ತಿಸಿರುವ ನಮೂನೆಯಲ್ಲ (Format) ದೃಢೀಕರಿಸಿದ ಬರ್ಚ್ಚುವೆಚ್ಚಗಳನ್ನೊಳಗೊಂಡ ಉಪಯೋಗತಾ ಪ್ರಮಾಣಪತ್ರವನ್ನು ದ್ವಿಪ್ರತಿಯಲ್ಲ ಕೆಸ್ಟೆಪ್ಸ್ ಸಂಸ್ಥೆಗೆ ಕಳುಹಿಸಿಕೊಡುವುದು. ಸದರಿ ಯೋಜನೆಗೆ ಸಂಬಂಧಪಟ್ಟ ಎಲ್ಲಾ ಲೆಕ್ಕ ಪತ್ರಗಳನ್ನು ಸಂರಕ್ಷಿಸಿಡುವುದು ಹಾಗೂ ಮಹಾಲೇಖಪಾಲಕರು ಮತ್ತು ಸರ್ಕಾರವು ತಪಾಸಣೆಗಾಗಿ ಕೋರಿದಲ್ಲ ತಪ್ಪದೇ ಒದಗಿಸುವುದು. ಈ ಯೋಜನೆಗೆ ಸಂಬಂಧಿಸಿದಂತೆ ಪ್ರತ್ಯೇಕ ದಾಖಲೆ ಪುಸ್ತಕವನ್ನು ಸಹ ನಿರ್ವಹಿಸಬೇಕೆಂದು ಕೋರುತ್ತೇನೆ.

ಹೆಚ್ಚಿನ ಮಾಹಿತಿಗಾಗಿ ಡಾ॥ ಎಸ್. ಜಿ. ಶ್ರೀಕಂಠೇಶ್ವರ ಸ್ವಾಮಿ, ಸಮಾಲೋಚಕರು, ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ದಾರ್ಶನಿಕ ಸಮೂಹ ಇವರನ್ನು ಸಂಪರ್ಕಿಸಬಹುದು. ದೂರವಾಣಿ ಸಂಖ್ಯೆ OBO– 22032013 ಇ–ಮೇಲ್: <u>visiongroup.st@gmail.com</u>

ವಂದನೆಗಳೊಂದಿಗೆ,

ತಮ್ಮ ವಿಶ್ವಾಸಿ, ವ್ಯವಸ್ಥಾಪಕ ನಿರ್ಧೇಶಕರು

ಇವರಿಗೆ,

Principal SJPN Trust's Hirasugar Institute of Technology, Nidasoshi, Hukeri Taluk Belagavi District -591236

- ా ಪ್రತಿ: 1) **Dr. Veeresh G. Kasabegoudar,** Dept. of ECE, SJPN Trust's Hirasugar Institute of Technology, Nidasoshi, Hukeri Taluk, Belagavi District -591236.
  - 2) ಡಾII ಎಸ್. ಜಿ. ಶ್ರೀಕಂಠೇಶ್ವರ ಸ್ವಾಮಿ, ಸಮಾಲೋಚಕರು, ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ದಾರ್ಶನಿಕ ಸಮೂಹ, 7ನೇ ಮಹಡಿ, 4ನೇ ಹಂತ, ಬಹುಮಹಡಿ ಕಟ್ಟಡ, ಬೆಂಗಳೂರು– 560 001

## ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ದಾರ್ಶನಿಕ ಸಮೂಹ

ವಿದ್ಯುನ್ಮಾನ, ಮಾಹಿತಿ ತಂತ್ರಜ್ಞಾನ, ಜೈವಿಕ ತಂತ್ರಜ್ಞಾನ ಹಾಗೂ ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ಇಲಾಖೆ, ಕರ್ನಾಟಕ ಸರ್ಕಾರ ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಸಚಿವಾಲಯ, 7ನೇ ಮಹಡಿ, 4ನೇ ಹಂತ, ಬಹುಮಹಡಿ ಕಟ್ಟಡ, ಡಾ॥ ಅಂಬೇಡ್ಕರ್ ವೀಧಿ, ಬೆಂಗಳೂರು-560001 ದೂರವಾಣಿ: 080-2232013, ಇ-ಮೇಲ್: visiongroup.st@gmail.com

ಸಂ: ವಿತಂದಾಸ/ಪತ್ರಗಳು/K-FIST(L1)/GRD-683/2022-23

ದಿನಾಂಕ: 20.01.2023

ಇವರಿಗೆ: ಪ್ರಾಂಶುಪಾಲರು ಎಸ್.ಜೆ.ಪಿ.ಎನ್ ಟ್ರಸ್ಟ್ಸ್ ಹಿರಾಶುಗರ್ ಇನ್ಸ್ಟಿಟ್ಯೂಟ್ ಆಫ್ ಟೆಕ್ನಾಲಜಿ ನಿಡಸೋಸಿ, ಹುಕ್ಕೇರಿ ತಾಲ್ಲೂಕು ಬೆಳಗಾವಿ-591236

ವಿಷಯ: ವಿತಂದಾಸ ಯೋಜನೆ GRD No.683ರ ಅನುಷ್ಠಾನದ ಬಗ್ಗೆ,

ಉಲ್ಲೇಖ: 1. ವಿತಂದಾಸ ಪತ್ರ ಸಂಖ್ಯೆ: KSTePS/VGST//GRD-683/KFIST(L1)/2018, ದಿನಾಂಕ: 27.08.2018

2. ಯೋಜನಾ ಸಂಯೋಜಕರ ಇಮೇಲ್ ದಿನಾಂಕ: 17.10.2022

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ಮೇಲ್ಕಂಡ ವಿಷಯ ಮತ್ತು ಉಲ್ಲೇಖಗಳಿಗೆ ಸಂಬಂಧಿಸಿದಂತೆ, ವಿಜ್ಞಾನ ಮತ್ತು ತಂತ್ರಜ್ಞಾನ ದಾರ್ಶನಿಕ ಸಮೂಹದ ವಿವಿಧ ಯೋಜನೆಗಳಲ್ಲೊಂದಾದ K-FIST(L1) ಕಾರ್ಯಕ್ರಮದಡಿ 2017-18ನೇ ಸಾಲಿನಲ್ಲಿ ಡಾ. ವೀರೇಶ್ ಜಿ. ಕಸಬೇಗೌಡರ್, ಪ್ರಾಧ್ಯಾಪಕರು, ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಅಂಡ್ ಕಮ್ಯೂನಿಕೇಷನ್ ಇಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗ, ಎಸ್.ಜೆ.ಪಿ.ಎನ್ ಟ್ರಸ್ಟ್ಸ್ ಹಿರಾಶುಗರ್ ಇನ್ಸ್ಟಿಟ್ಯೂಟ್ ಆಫ್ ಟೆಕ್ನಾಲಜಿ, ನಿಡಸೋಸಿ, ಹುಕ್ಕೇರಿ ತಾಲ್ಲೂಕು, ಬೆಳಗಾವಿ ಇವರ "Coplanar Capacitive Coupled Probe Fed Microstrip Antennas With and Without Air Gap for UWB and Multiband Applications" ಪ್ರಸ್ತಾವನೆಯನ್ನು ಆಯ್ಕೆ ಮಾಡಿ (ಉಲ್ಲೇಖ-1), ಮೊದಲನೇ ಕಂತಿನ ಅನುದಾನವಾಗಿ ರೂ. 10.00 ಲಕ್ಷಗಳನ್ನು ಬಿಡುಗಡೆ ಮಾಡಲಾಗಿತ್ತು.

ಈ ಸಂಬಂಧ, ಪ್ರಸ್ತುತ ಯೋಜನಾ ಸಂಯೋಜಕರಾಗಿದ್ದ ಡಾ. ಎಸ್. ಬಿ. ಅಕ್ಕೋಲೆ, ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕರು, ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಅಂಡ್ ಕಮ್ಯೂನಿಕೇಷನ್ ಇಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗ, ಎಸ್.ಜೆ.ಪಿ.ಎನ್ ಟ್ರಸ್ಟ್ಸ್ ಹಿರಾಶುಗರ್ ಇನ್ಸ್ಟಿಟ್ಯೂಟ್ ಆಫ್ ಟೆಕ್ನಾಲಜಿ, ನಿಡಸೋಸಿ, ಹುಕ್ಕೇರಿ ತಾಲ್ಲೂಕು, ಬೆಳಗಾವಿ ಇವರು ಕಾಲೇಜನ್ನು ಬಿಟ್ಟು ಹೋಗಿರುವುದರಿಂದ, ಡಾ. ಶ್ರೀವಿಜಯ್ ಎಸ್ ಇಟ್ಟಣ್ಣನವರ್, ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕರು, ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಅಂಡ್ ಕಮ್ಯೂನಿಕೇಷನ್ ಇಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗ, ಎಸ್.ಜೆ.ಪಿ.ಎನ್ ಟ್ರಸ್ಟ್ಸ್ ಹಿರಾಶುಗರ್ ಇನ್ಸ್ಟಿಟ್ಯೂಟ್ ಆಫ್ ಟೆಕ್ನಾಲಜಿ, ನಿಡಸೋಸಿ, ಹುಕ್ಕೇರಿ ತಾಲ್ಲೂಕು, ಬೆಳಗಾವಿ ಇವರನ್ನು ಯೋಜನಾ ಸಂಯೋಜಕರಾಗಿ ನಿಯೋಜಿಸುವಂತೆ ಉಲ್ಲೇಖ -2 ರಲ್ಲಿ ಕೋರಲಾಗಿರುತ್ತದೆ.

ಅದರಂತೆ, ಸದರಿ ಕೋರಿಕೆಯನ್ನು 2022ರ ಸೆಪ್ಟೆಂಬರ್ 13 ಮತ್ತು 15 ರಂದು ವಿತಂದಾಸ ಉಪಸಮಿತಿಯ ಅಧ್ಯಕ್ಷರಾದ ಪ್ರೊ. ಎಂ.ಆರ್. ಎಸ್. ರಾವ್ ಅವರ ಅಧ್ಯಕ್ಷತೆಯಲ್ಲಿ ನಡೆದ ವಿತಂದಾಸದ ವಿಮರ್ಶಾ ಸಮಿತಿ ಸಭೆಯಲ್ಲಿ ಮಂಡಿಸಲಾಗಿದ್ದು, ಸದರಿ ಯೋಜನೆಯ ಪ್ರಗತಿಯನ್ನು ಪರಿಶೀಲಿಸಿದ ಸಮಿತಿಯು ಯೋಜನೆಯ ಪ್ರಗತಿಯು ತೃಪ್ತಿಕರವಾಗಿದ್ದು, ಎರಡನೇ ಕಂತಿನ ಅನುದಾನವನ್ನು ಬಿಡುಗಡೆ ಮಾಡುವಂತೆ ಶಿಫಾರಸ್ಸು ಮಾಡಿರುತ್ತದೆ. ಅಲ್ಲದೇ, ಡಾ. ಶ್ರೀವಿಜಯ್ ಎಸ್ ಇಟ್ಟಣ್ಣನವರ್, ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕರು ಇವರನ್ನು ಯೋಜನಾ ಸಂಯೋಜಕರಾಗಿ ನಿಯೋಜಿಸಲು ಸಹ ಸಮಿತಿಯು ಒಪ್ಪಿಗೆಯನ್ನು ಸೂಚಿಸಿರುತ್ತದೆ. ಈ ನಿಟ್ಟಿನಲ್ಲಿ, ಸಮಿತಿಯ ಶಿಫಾರಸ್ಸಿನಂತೆ ಯೋಜನೆಯ ಅನುಷ್ಠಾನಕ್ಕಾಗಿ ಅಗತ್ಯ ಕ್ರಮವನ್ನು ಕೈಗೊಳ್ಳುವಂತೆ ಕೋರಲಾಗಿದೆ.

ವಂದನೆಗಳೊಂದಿಗೆ,

ತಮ್ಮ ವಿಶ್ವಾಸಿ,

ಸುಬ್ರಸ್ 20/01)2023 ಡಾ. ಆರ್. ಟಿ. ವೆಂಕಟೇಶ ವಿಜ್ಞಾನಿ-ಎಸ್.ಇ., ಕೆಸ್ಟೆಪ್ಸ್/ಸಂಯೋಜಕರು, ವಿತಂದಾಸ

ಪ್ರತಿ: ಡಾ. ಶ್ರೀವಿಜಯ್ ಎಸ್ ಇಟ್ಟಣ್ಣನವರ್, ಸಹಾಯಕ ಪ್ರಾಧ್ಯಾಪಕರು, ಎಲೆಕ್ಟ್ರಾನಿಕ್ಸ್ ಅಂಡ್ ಕಮ್ಯೂನಿಕೇಷನ್ ಇಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗ, ಎಸ್.ಜೆ.ಪಿ.ಎನ್ ಟ್ರಸ್ಟ್ಸ್ ಹಿರಾಶುಗರ್ ಇನ್ಸ್ಟಿಟ್ಯೂಟ್ ಆಫ್ ಟೆಕ್ನಾಲಜಿ, ನಿಡಸೋಸಿ, ಹುಕ್ಕೇರಿ ತಾಲ್ಲೂಕು, ಬೆಳಗಾವಿ-591 236 4-Days VGST Sponsored Faculty Development Programme On Software Engineering and Testing Methodologies (16<sup>th</sup> to 19<sup>th</sup> March 2022) Google Form Link For Registration https://forms.gle/WyzxTMWKDxiknqEz9 Registration Form

1. Name:	
2. Qualification:	
3. Area of specialization:	
4. Designation:	
5. Department:	
6. Institute:	
7. Experience (in years):	
Teaching: Research:	Industry:
8. Address for Communication	on:

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			-

E-mail: \_

9. Accommodation required: YES /NO

## Declaration

The above mentioned information is true to the best of my knowledge and belief. I agree to abide by the rules and regulations of the FDP. I shall attend the Program for the entire duration.

**Applicant's Signature** 

Dr./Mr./Mrs./Miss \_\_

is deputed to attend the FDP during 16<sup>th</sup> to 19<sup>th</sup> of Mar-2022

Signature of Principal with Seal

## **Organizing Committee**

Dr. K B Manwade, Dept. of CSE Dr. Mahesh Huddar, Dept. of CSE Prof. N K Honnagoudar, Dept. of CSE Prof. R R Patil, Dept. of CSE Prof. N M Patel, Dept. of CSE Prof. C R Belavi, Dept. of CSE Prof. M A Chitale, Dept. of CSE

## **Resource Persons**

Resource persons are from the reputed Institutions like IIT, IIIT, NIT and the Industries.

## Who Can Apply

Faculty members from the University/ Engineering Colleges recognized by AICTE/ UGC. Maximum number of participants is limited to 50 only.

## **Important Instructions**

- + There is no registration fee for the programme.
- + Last date to receive filled in application form(soft/hard): **12<sup>th</sup> March 2022.**
- + Send scanned copy of filled in application to **fdp.cse@hsit.ac.in** on or before due date.
- Selection on first come first serve basis and intimation by e-mail on: 14<sup>th</sup> March 2022.
- Accommodation will be provided for outstation participants upon prior request in Institute Hostels.
- TA by first class train/bus shall be admissible upon production of valid tickets.
- + Participants are requested to bring Laptop for hands on sessions.
- As needed, please feel free to make duplicate copies of this form for additional registration & can also be downloaded from Institute website.

Address for Correspondence Dr. S. G. Gollagi, +91-9880383883, Prof. A. A. Daptardar, +91-9620851002 Department of CSE, HIT, Nidasoshi, Tq:- Hukkeri, Dt:- Belagavi, Karnataka – 591 236

E-mail: socollagi cse@hsit.ac.in



S. J. P. N. Trust's HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI – 591 236

Accredited at 'A' Grade by NAAC Programs Accredited by NBA: CSE, ECE, EEE, ME www.hsit.ac.in

4-Days VGST Sponsored Faculty Development Programme On Software Engineering and Testing Methodologies (16<sup>th</sup> to 19<sup>th</sup> March 2022)



Organized by: Department of Computer Science & Engineering



#### About the Institute

It was with the vision and foresight of His Holiness Shri Pancham Nijalingeshwar Mahaswamiji, the Ninth pontiff of Shri. Siddha Sounsthan Math, Nidasoshi, that Shri. Jagadguru Pancham Nijalingeshwar (SJPN) Trust was founded in 1984 with the sole purpose of imparting technical education to the needy masses. Under this trust, Hirasugar Institute of Technology, Nidasoshi was established in the year 1996 with the sole purpose of providing quality technical education in various disciplines of engineering. The management of HIT is a benevolent body of individuals drawn from various walks of life. Eminent personalities from both industry & academic field are managing the institution. The college is spread over a sprawling 48.26 acres of greenery & natural surroundings. The Institute offers 4 years BE Degree courses in Computer Science & Engineering, Mechanical Engineering, Electrical & Electronics Engineering, Civil Engineering and Electronics & Communication Engineering. The four departments are recognized as a Research Centre by VTU, Belagavi. The college is Permanently affiliated to Visvesvaraya Technological University (VTU), Belagavi and approved by All India Council for Technical Education (AICTE), New Delhi, Recognized by the Government of Karnataka, and Recognized under section 2(f) of UGC Act, 1956. Institute is also accredited at 'A' grade by NAAC and four programs are accredited by NBA.

#### **About the Department**

The Department of Computer Science and Engineering was established in the year 1996 with an intake of 60 students. The Department has also been recognized as a Research Centre by Visvesvaraya Technological University (VTU), Belagavi. Department has been accredited by NBA. The department has qualified & well experienced teaching faculty with state of the art infrastructure and modern teaching aids catering to the needs of VTU curriculum. The department has well equipped laboratories and Computer Center with latest configuration and licensed software which provides excellent facilities for learning and 36 Mbps leased Line 1:1 internet connection with secured Wi-Fi.

#### **About VGST**

Vision Group on Science and Technology (VGST) was constituted in October 2008 under the Chairmanship of distinguished scientist Bharat Ratna Prof. C. N. R. Rao, F.R.S. Chairman of the Science Advisory Council to Hon'ble Prime Minister, Govt. of India and National Research Professor, JNCASR. VGST is an apex advisory body to recommend Science and Technology Programs relevant to mandate of DST. The objective is to encourage & promote Science and Technology education and research in the state. VGST plays a vital role in catalyzing, strengthening educational institutions to meet scientific and technological needs. To accomplish this, VGST is involved in developing, in stages, mechanisms to bring a paradigm shift in the Basic Science Education, research & taking science to the masses through a wide range of initiatives. **About the FDP** 

Software engineering is associated with development of software product using well-defined scientific principles, methods and procedures. The outcome of software engineering is an efficient and reliable software product. The need of software engineering arises because of higher rate of change in user requirements and environment on which the software is working. Computer information and control systems have become increasingly embedded and integrated into fabric of the human society. They control our washing machines, traffic lights, refrigerators, micro ovens, electric power to our homes. It involves the elicitation of system requirements, the specification of the system, its architectural, detailed design, implementation, testing and delivery of the system. Software development being a human intensive process, management and quality control techniques are required to run successful projects and construct quality systems. Good software engineering practices and tools can therefore make a substantial difference, even to the extent they may be driving forces of the project success of today's and tomorrow. This faculty development programme (FDP) is committed to fundamental theory, Process Models & recent developments in the field of Software Engineering and Hands on Software Testing.

#### **Major Course Contents:**

Basics of Software engineering, Development Process Models, Agile Methodologies, Software Design and implementation models, Software risk Management, Software management practices automation testing.

## **Chief Patron**

His Holiness Jagadguru Panchama Shri. Shivalingeshwar Mahaswamiji Siddha Sounsthana Math, Nidasoshi

## Bharat Ratna Prof. C.N.R. Rao, F.R.S.

National Research Professor, and Honorary President & Linus Pauling Research Professor JNCASR

#### Patrons

Dr. S. G. Sreekanteswara Swamy Consultant, VGST, Govt. of Karnataka

Shri. Suresh B Bellad Honorable Secretary, SJPN Trust, Nidasoshi

Organizing Chairman Dr. S. C. Kamate Principal, HIT, Nidasoshi

#### Convener

Prof. S. V. Manjaragi HOD , Dept. of CSE

#### **Programme Coordinators**

Dr. S. G. Gollagi Prof. A. A. Daptardar

## **Advisory Committee**

Dr. Basavaraj V. Madiggond Dean Academics, HIT, Nidasoshi

Dr. S. B. Akkole Dean Examinations, HIT, Nidasoshi

Dr. S. N. Topannavar Dean Research & Development, HIT, Nidasoshi

Prof. N. M. Patel Dean Placements & III Cell, HIT, Nidasoshi

Dr. Mahesh G. Huddar Dean Students Welfare, HIT, Nidasoshi

**Dr. K. M. Akkoli** First Year Coordinator, HIT, Nidasoshi

Prof. S. M. Chandrakanth HOD, Dept. of CE, HIT, Nidasoshi



Government of Karnataka

## **Vision Group on Science and Technology**

Department of Information Technology, Biotechnology and Science & Technology 4th Gate, 7th Floor, M.S. Building, Dr. Ambedkar Veedhi, Bengaluru - 560 001 Phone : 080-2203 2013, E-mail : visiongroup.st@gmail.com, Website : www.vgst.in

Dr. S.G. Sreekanteswara Swamy, PhD., Consultant

No. VGST/FDP-08/2019-20/2020-21/198

Date: 09.11.2020

To,

Prof. Aruna. A. Daptardar, Assistant Professor Department of Computer Science & Engineering S.J.P.N Trust's Hirasugar Institute of Technology Nidasoshi, Hukkeri, Belgaum-591 236.

Dear Sir/Madam,

Sub: Intimation regarding the selection of the project under FDP scheme of VGST for FY 2019-20 - reg.

\*\*\*\*

## Greeting from the Department of Science and Technology, GoK & KSTePS and VGST.

We are directed to inform you that the FDP Engineering program entitled **"Software Engineering and Testing Methodologies"** submitted under the VGST scheme for the financial year 2019-2020 has been approved by the Government based on the recommendations of the Selection Committee, Vision Group on Science and Technology under the Chairmanship of Bharat Ratna Prof. CNR Rao, Honorary President, JNCASR.

The sanctioned grant will be released through NEFT/RTGS to your institution by KSTePS. Hence, it is requested to send the following details on your institutional letter head, sealed and signed by the authorized signatory, by post. A scanned copy of the same may also be sent to <u>visiongroup.st@gmail.com</u>

1. Account Name, 2. Account Number, 3. IFSC Number, 4. Name of the Bank, 5. Branch

I would like to personally congratulate and greet you for being selected for VGST program and we wish you a great success in the implementation of the programme. For all your future correspondence, you may contact VGST office.

Thanking you and with best regards,

CC:

1) The Principal, S.J.P.N Trust's Hirasugar Institute of Technology, Nidasoshi, Hukkeri, Belgaum-591 236.

Yours sincerely,

- 2) Prof. S. G. Gollagi (Co-Principal Programme Coordinator), Assistant Professor, Dept. of CSE, S.J.P.N Trust's Hirasugar Institute of Technology, Nidasoshi, Hukkeri, Belgaum-591 236.
- 3) The Deputy Secretary to Govt., Dept. of Science and Technology, Room No. 305, 5<sup>th</sup> Floor, 5<sup>th</sup> Stage, M.S. Building, Dr. Ambedkar Veedhi, Bengaluru -560 001.
- 4) The Managing Director, Karnataka Science and Technology Promotion Society, Vijnana Bhavana, 3<sup>rd</sup> Floor, 24/2, 21<sup>st</sup> Main Road, Banashankari 2<sup>nd</sup> Stage, Bengaluru- 560070





VGST Sponsored 4-Days FDP On: "Software Engineering and Testing Methodologies"

## Attendance Sheet – 16<sup>th</sup> March 2022

SI.	-d	Name of the Department	Sign	ature
No.	Participants Name	/ College	Morning	Afternoon
1	Prof Shreevijev Ittennever	FCF HSIT Nidasoshi	Session	Session
2	Prof. Dhoveling Alice Dectine VI.	ECE USIT Nideseshi	(STU)	(813
2	Prof. Bilavaling Alias Pratima Knot		Babas	Batals
3	Prof. Swetna K B	ISE, RRIT, Burg and	S.K.B.	S.K.B.
4	Prof. Subramanian Vaidyanathan	CFIS,UOM X	- ABSE	nt
5	Prof. Giriraj	CSE, GNDEC, Bidar	Greinej	Giairaj
6	Prof. Ramya S Pure	CSE, GNDEC, Bidar	Kanya	fine
7	Prof. Arati B Sudhakar	ECE, SVERI, Pandapur	D	
8	Prof. Onkar B Heddurshetti	EEE, HSIT, Nidasoshi	()	(C)
(9)	Prof. Jayaraj Gaddihalli	MBA, IBMR B-SCHOOL 🖌	- ABS	ent
10	Prof. Hemalata R Zinage	EEE, HSIT, Nidasoshi	Azine	+725i nevere
11	Prof. Sagar Sudhakar Birade	EEE, HSIT, Nidasoshi	G	6
12	Prof. Sachin S Patil	ECE, HSIT, Nidasoshi	and 1	and
13	Prof. Sujata Huddar	EEE, HSIT, Nidasoshi	Alenddos	Aluddas
14	Prof. Mahesh Yenagimath	EEE, HSIT, Nidasoshi	A m	T PN
<sup>v</sup> 15	Prof. Sunita.S.Malaj	ECE, HSIT, Nidasoshi	That	Chaff.
16	Prof. Manjunatha H N	CSE, BIT, Tiptur	maninghauth	a contracti
17	Prof. Latha S K	CSE, BIT, Tiptur	batta E K	1 1/2 et
18	Dr. S G Gollagi	CSE, HSIT, Nidasoshi	Alon S.M.	hattle sis
19	Prof. Amit Neshti	EEE, HSIT, Nidasoshi	A MA	Ding
20	Prof. Sonam Bhandurge	CSE, AITM, Belagavi	Socon	Dogan
21	Prof. Mahantesh Tanodi	ME, HSIT, Nidasoshi	A	Ma
22	Dr. S. N. Topannavar	ME, HSIT, Nidasoshi	Charl	Ma
23	Dr. Mahesh Huddar	CSE, HSIT, Nidasoshi	14th	C. A.
24	Prof. Maheshwar A Hipparagi	ME, HSIT, Nidasoshi	CHAN	AL_
25	Dr. Bhagyashri R Hanji	CSE, GAT, Bengaluru	RDH	RIPH
26	Dr. R Kanagavalli	CSE, GAT, Bengaluru	Au all	abrall.
, 27	Prof. Keshav Negalur	EEE, HSIT, Nidasoshi	ONEN	Casty
28	Dr. Karveer B Manwade	CSE, HSIT, Nidasoshi	FERY.	TAY.

Nidasoshi-591 236, Tag: Hukken Dist: Belagavi, Karnataka, India. Phone: +91-8333-278887, Fax: 278886, Web: www.hsit.ac.in, E-mail: principal@hsit.ac.in

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S.J.P.N Trust's Hirasugar Institute of Technology, Nidasoshi 591 236 *"Inculcating Values, Promoting Prosperity"* Approved by AICTE, Recognized by Govt. of Karnataka and Permanently Affiliated to VTU Belagavi. Accredited at 'A' Grade by NAAC Programmes Accredited by NBA: CSE, ECE, EEE & ME

SI		Norma Cill D	Signa	ature
No.	Participants Name	Name of the Department / College	Morning Session	Afternoon Session
29	Prof. Naganagouda K Honnagoudar	CSE,HSIT, Nidasoshi	50	A
30	Dr. Suresh Akkole	ECE,HSIT, Nidasoshi	At	Alt
31	Prof. Shivanand D. Hirekodi	EEE,HSIT, Nidasoshi	- Co	8
32	Prof. Sujata Kamate	ECE,HSIT, Nidasoshi	lisk	85h
33	Prof. Pramod V Patil	ECE,HSIT, Nidasoshi	Philet	873th
34	Prof. Rashmi Gomatesh Adike	CSE, KLECET, Chikodi	Pellik	Redolik
35	Prof. Sheela S	CSE, GAT, Bengaluru	Sheelas	Checks
36	Prof. Dattatray Mahadev Kumbhar	ECE, HSIT, Nidasoshi	Re-	12ks
37	Prof. Chandrakant Belavi	CSE, HSIT, Nidasoshi	Pars	Rock
38	Prof. Darshan N Inamdar	ME, HSIT, Nidasoshi	B	R
39	Dr. K. M. Akkoli	ME, HSIT, Nidasoshi	James	Ustan 1
40	Dr. M.M.Shivashimpi	ME, HSIT, Nidasoshi	Aller,	m
41	Dr. Shashikant Walki	CHE, HSIT, Nidasoshi	R	1 A
42	Prof. Shantha H Biradar	ISE, MVIT, Bengaluru	S.H.Bisadas	C.H. Rizados
• 43	Prof. Mohan S Futane	ME, HSIT, Nidasoshi	m	sand and
44	Prof. Bhaskar Jayawant Raskar	CAD, KVM, Wai	BA	BR
45	Prof. Nilesh Suryakant Kulkarni	CSE, AM, Ajara	Mullearn;	NKiedlearm
46	Prof. Laxman Gajanan Mulik	CSE, AM, Ajara	lacont	taxing
47	Prof. Nyamatulla M Patel	CSE, HSIT, Nidasoshi	Kat	ALS
48	Prof. Jyoti Tanaji Karnik	CSE, DC, Nippani	Thoenth	Kaenik
49	Prof. Reshima Niduni	CSE, DRMM, Kagal	R.S. Niduni	R.C. Nichuni
50	Dr. Manjunath S. Hanagadakar	CHE, HSIT, Nidasoshi	Pari	RAC
51	Dr. Shrinath Patil	MATH, HSIT, Nidasoshi	EP2	Sur
52	Prof. Virupakshi M Bhumannavar	PHY, HSIT, Nidasoshi	Conth	Carl
53	Prof. Sangamesh Shivamoggimath	MATH, HSIT, Nidasoshi	CTB -	Sh
54	Prof. D. B. Madihalli	ECE, HSIT, Nidasoshi	any	anna
<u>,</u> 55	Prof. Prasanna Patil	CSE, MIT, Mysore		R
56	Prof. Gururaj Solabannavar	LIB, HSIT, Nidasoshi	4	
57	Prof. Aruna Anil Daptardar	CSE, HSIT, Nidasoshi	Roptula	Autor
58	Prof. Shivanand V. Manjaragi	CSE, HSIT, Nidasoshi	1 Ch	A



Nidasoshi-591 236, Taqi Hukkeri, Dist. Belagavi, Karnataka, India. Phone: +91-8333-278887, Fax: 278886, Web5ww?.hsit.ac.in, E-mail: principal@hsit.ac.in







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SI.		Name of the Donartmont	Signa	ature
No.	Participants Name	Participants Name / College	Morning Session	Afternoon Session
59	Prof. Ravindra R Patil	CSE, HSIT, Nidasoshi	Alt	Retto
60	Prof. S.A. Goudadi	ME, HSIT, Nidasoshi	Julii	Sului
61	Prof. Girish Zulapi	ME, HSIT, Nidasoshi	"Equlapi	- mulapi
62	Prof. PreethR.Patil	CV, HSIT, Nidasoshi	Fred	Race
63	Prof. S. B. Sarawadi	PD, HSIT, Nidasoshi	Program 1. Stal	BSODALOA
64	Prof. S. A. Patil	MATH, HSIT, Nidasoshi	Alul	All
65	Prof. S. M. Chandrakanth	CV, HSIT, Nidasoshi	R	A start
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Nidasosi Pin-591 23

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Dr. S. &. Gollagi Co. Prin. Coordinator

C

Prof. A. A. Daptardar Prin. Coordinator

Prof. S. V. Manjaragi

Convener, HOD, CSE



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Nidasoshi-591 236, Taq: Hukkeri, Dist: Belagavi, Karnataka, India. Phone: +91-8333-278887, Fax: 278886, Web: www.hsit.ac.in, E-mail: principal@hsit.ac.in





## Attendance Sheet – 17<sup>th</sup> March 2022

SI.	At a short	Name of the Department	Sign	ature
No.	Participants Name	/ College	Morning	Afternoon
1	Prof. Shreevijav Ittannavar	ECE, HSIT, Nidasoshi	Session	Session
2	Prof. Bhavaling Alias Pratima Khot	ECE, HSIT, Nidasoshi	Thota	alte .
3	Prof. Swetha K B	ISE, RRIT, Bang clore	C L D	( jours
4	Prof. Subramanian Vaidvanathan	CFIS,UOM	A h (	S.K.K.
5	Prof. Giriraj	CSE, GNDEC, Bidar	Priciegi	Queison
6	Prof. Ramya S Pure	CSE, GNDEC, Bidar	Renn	Norry
7	Prof. Arati B Sudhakar	ECE, SVERI, Pandar puz	- A	Peri
8	Prof. Onkar B Heddurshetti	EEE, HSIT, Nidasoshi		(D)
9	Prof. Jayaraj Gaddihalli	MBA, IBMR B-SCHOOL A	- A 6 5	en F
10	Prof. Hemalata R Zinage	EEE, HSIT, Nidasoshi	+Drineser	+Doinage .
11	Prof. Sagar Sudhakar Birade	EEE, HSIT, Nidasoshi	A	8
12	Prof. Sachin S Patil	ECE, HSIT, Nidasoshi		and
13	Prof, Sujata Huddar	EEE, HSIT, Nidasoshi	Aluddas the	Alenddar
14	Prof. Mahesh Yenagimath	EEE, HSIT, Nidasoshi	60 - 10 -	1. Of a
15	Prof. Sunita.S.Malaj	ECE, HSIT, Nidasoshi	Molt.	Boy
16	Prof. Manjunatha H N	CSE, BIT, Tiptur	manjunathat	manjunathatty
17	Prof. Latha S K	CSE, BIT, Tiptur	Lather S.K	hathe 3.K
18	Dr. S G Gollagi	CSE, HSIT, Nidasoshi	Help	Aller
19	Prof. Amit Neshti	EEE, HSIT, Nidasoshi	Ane	Anne
20	Prof. Sonam Bhandurge	CSE, AITM, Belagavi	Sonam	Losan
21	Prof. Mahantesh Tanodi	ME, HSIT, Nidasoshi	No	(A)
• 22	Dr. S. N. Topannavar	ME, HSIT, Nidasoshi	Nor	Ald
23	Dr. Mahesh Huddar	CSE, HSIT, Nidasoshi	Att	4-2-
24	Prof. Maheshwar A Hipparagi	ME, HSIT, Nidasoshi	A	CPC
25	Dr. Bhagyashri R Hanji	CSE, GAT, Bengaluru	PRH	RAM
26	Dr. R Kanagavalli	CSE, GAT, Bengaluru	Alicol.	Bhrall.
27	Prof. Keshav Negalur	EEE, HSIT, Nidasoshi	arty	arty
28.	Dr. Karveer B Manwade	CSE, HSIT, Nidasoshi	FRM .	Fary.

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<sup>*</sup> SI		Name of the Department	Signa	ature
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29	Prof. Naganagouda K Honnagoudar	CSE,HSIT, Nidasoshi	Hot	Ne/
30	Dr. Suresh Akkole	ECE,HSIT, Nidasoshi		
31	Prof. Shivanand D. Hirekodi	EEE,HSIT, Nidasoshi	B	B
- 32	Prof. Sujata Kamate	ECE,HSIT, Nidasoshi	. Esk	sik
33	Prof. Pramod V Patil	ECE,HSIT, Nidasoshi	Plat	TRUS
34	Prof. Rashmi Gomatesh Adike	CSE, KLECET, Chikodi	Philip	Redik
35	Prof. Sheela S	CSE, GAT, Bengaluru	Iretal	Cheepe
36	Prof. Dattatray Mahadev Kumbhar	ECE, HSIT, Nidasoshi	DR-	al-
37	Prof. Chandrakant Belavi	CSE, HSIT, Nidasoshi	Bes	Poles
38	Prof. Darshan N Inamdar	ME, HSIT, Nidasoshi	A	D
<sup>°</sup> 39	Dr. K. M. Akkoli	ME, HSIT, Nidasoshi	ADM 1	MAGEN
40	Dr. M.M.Shivashimpi	ME, HSIT, Nidasoshi	M	No.
41	Dr. Shashikant Walki	CHE, HSIT, Nidasoshi	-	- A
42	Prof. Shantha H Biradar	ISE, MVIT, Bengaluru	SH. Risades	S.H. Rixonder
43	Prof. Mohan S Futane	ME, HSIT, Nidasoshi	m	mit
44	Prof. Bhaskar Jayawant Raskar	CAD, KVM, Wai	AND -	A
45	Prof. Nilesh Suryakant Kulkarni	CSE, AM, Ajara	NKulleans	NKullansi
46	Prof. Laxman Gajanan Mulik	CSE, AM, Ajara	1 as mart	-losenarg
47	Prof. Nyamatulla M Patel	CSE, HSIT, Nidasoshi	helt of	5 M
48	Prof. Jyoti Tanaji Karnik	CSE, DC, Nippani	rthanic	1 Karhis
49	Prof. Reshma Niduni	CSE, DRMM, Kagal	R.S. Niduni	R.S. Niduni
50	Dr. Manjunath S. Hanagadakar	CHE, HSIT, Nidasoshi	Paris	AF
\$ 51	Dr. Shrinath Patil	MATH, HSIT, Nidasoshi	(3)-22	1 Sur
52	Prof. Virupakshi M Bhumannavar	PHY, HSIT, Nidasoshi	( )-H	Cato-
53	Prof. Sangamesh Shivamoggimath	MATH, HSIT, Nidasoshi	Chb	Sid
54	Prof. D. B. Madihalli	ECE, HSIT, Nidasoshi	artal -	2160
55	Prof. Prasanna Patil	CSE, MIT, Mysore	april	ROAL
56	Prof. Gururaj Solabannavar	LIB, HSIT, Nidasoshi	Stor n	- Cho
57	Prof. Aruna Anil Daptardar	CSE, HSIT, Nidasoshi	Robert	Anter
58	Prof. Shivanand V. Manjaragi	CSE, HSIT, Nidasoshi	(The	
		softwile or rection		

Nidasoshi-591 236, Taq: Hukker, Dist, Belagavi, Karnataka, India. Phone: +91-8333-278887, Fax: 278886, Web; www.hsitac.in, E-mail: principal@hsit.ac.in







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60	Prof. S.A. Goudadi	ME, HSIT, Nidasoshi	Sului	10-
61	Prof. Girish Zulapi	ME, HSIT, Nidasoshi	- Soulapi	Incoli,
62	Prof. Preeti R.Patil	CV, HSIT, Nidasoshi	Tid	Ja h
63	Prof. S. B. Sarawadi	PD, HSIT, Nidasoshi	Boraiscedo	Boranda
<u>,</u> 64	Prof. S. A. Patil	MATH, HSIT, Nidasoshi	(olu	Colland -
65	Prof. S. M. Chandrakant	CV, HSIT, Nidasoshi		

Dr. S. G. Gollagi <sup>5</sup>Co. Prin. Coordinator

Prof. A. A. Daptardar Prin. Coordinator



>122 Prof. S. V. Manjaragi

Convener, HOD, CSE

Dr. S. C. Kamate Chairman / Principal

63)

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VGST Sponsored 4-Days FDP On: "Software Engineering and Testing Methodologies"

## Attendance Sheet – 18<sup>th</sup> March 2022

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1	Prof. Shreevijay Ittannavar	ECE, HSIT, Nidasoshi	(ZIS_	BD,
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(4)	Prof. Subramanian Vaidyanathan	CFIS,UOM < A	BSF	NT
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6	Prof. Ramya S Pure	CSE, GNDEC, Bidar	Romya	lang
, 7	Prof. Arati B Sudhakar	ECE,SVERI	P	D
8	Prof. Onkar B Heddurshetti	EEE, HSIT, Nidasoshi		
9	Prof. Jayaraj Gaddihalli	MBA, IBMR B-SCHOOL	A B S	ENIT
10	Prof. Hemalata R Zinage	EEE, HSIT, Nidasoshi	+Drinage	Aninage
11	Prof. Sagar Sudhakar Birade	EEE, HSIT, Nidasoshi	A	C
12	Prof. Sachin S Patil	ECE, HSIT, Nidasoshi	an-	and
- 13	Prof. Sujata Huddar	EEE, HSIT, Nidasoshi	Ruddas	Renderas
14	Prof. Mahesh Yenagimath	EEE, HSIT, Nidasoshi	The second	67 7
15	Prof. Sunita.S.Malaj	ECE, HSIT, Nidasoshi	Bert	Real
16	Prof. Manjunatha H N	CSE, BIT, Tiptur	maniunathall	manjunathaAN
17	Prof. Latha S K	CSE, BIT, Tiptur	hatha 3.15.	hotha ex
18	Dr. S G Gollagi	CSE, HSIT, Nidasoshi	DID	Nor
19	Prof. Amit Neshti	EEE, HSIT, Nidasoshi	Dan	Amut
<sup>3</sup> 20	Prof. Sonam Bhandurge	CSE, AITM, Belagavi	Sogan	Spram
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23	Dr. Mahesh Huddar	CSE, HSIT, Nidasoshi	Hat	ANT
24	Prof. Maheshwar A Hipparagi	ME, HSIT, Nidasoshi	Et .	
25	Dr. Bhagyashri R Hanji	CSE, GAT, Bengaluru	BRH	ROLL
26	Dr. R Kanagavalli	CSE, GAT, Bengaluru	DX 00.	Atvall.
27	Prof. Keshav Negalur	EEE, HSIT, Nidasoshi	arty	Orti
28.	Dr. Karveer B Manwade	CSE, HSIT, Nidasoshi	For '	KOY.

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30	Dr. Suresh Akkole	ECE,HSIT, Nidasoshi	A	ALL
31	Prof. Shivanand D. Hirekodi	EEE,HSIT, Nidasoshi	, 25	0
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33	Prof. Pramod V Patil	ECE,HSIT, Nidasoshi	PRotel	Plat
. 34	Prof. Rashmi Gomatesh Adike	CSE, KLECET, Chikodi	Pendily	Perdito
35	Prof. Sheela S	CSE, GAT, Bengaluru	Checks	floelers
* 36	Prof. Dattatray Mahadev Kumbhar	ECE, HSIT, Nidasoshi	in the second	R
37	Prof. Chandrakant Belavi	CSE, HSIT, Nidasoshi	Pools	Rold
38	Prof. Darshan N Inamdar	ME, HSIT, Nidasoshi	R	R
39	Dr. K. M. Akkoli	ME, HSIT, Nidasoshi	Cana 6	Born
40	Dr. M.M.Shivashimpi	ME, HSIT, Nidasoshi	m	- for
· 41	Dr. Shashikant Walki	CHE, HSIT, Nidasoshi	T	Da.
42	Prof. Shantha H Biradar	ISE, MVIT, Bengaluru	S. F. Bisada	SH. Diradas
43	Prof. Mohan S Futane	ME, HSIT, Nidasoshi	The	my cauco
44	Prof. Bhaskar Jayawant Raskar	CAD, KVM, Wai	CR	AR
45	Prof. Nilesh Suryakant Kulkarni	CSE, AM, Ajara	Weillans	NKullarns
46	Prof. Laxman Gajanan Mulik	CSE, AM, Ajara	Cashy	asenty
47	Prof. Nyamatulla M Patel	CSE, HSIT, Nidasoshi	ALE	Marc
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52	Prof. Virupakshi M Bhumannavar	PHY, HSIT, Nidasoshi	arth	ath
53	Prof. Sangamesh Shivamoggimath	MATH, HSIT, Nidasoshi	CB	Cab
54	Prof. D. B. Madihalli	ECE, HSIT, Nidasoshi	the	An
55	Prof. Prasanna Patil	CSE, MIT, Mysore	- Not	for
56	Prof. Gururaj Solabannavar	LIB, HSIT, Nidasoshi	Ett (	CIN .
57	Prof. Aruna Anil Daptardar	CSE, HSIT, Nidasoshi	Doption	Defender
58	Prof. Shivanand V. Manjaragi	CSE, HSIT, Nidasoshi	AV	(I)
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61	Prof. Girish Zulapi	ME, HSIT, Nidasoshi	Equali	: Soulopi
62	Prof. Preet R.Patil	CV, HSIT, Nidasoshi	Ried	Koro
63	Prof. S. B. Sarawadi	PD, HSIT, Nidasoshi	Barawad:	Brorgera
64	Prof. S. A. Patil	MATH, HSIT, Nidasoshi	Blue	Gly
65	Prof. S. M. Chandrakant	CV, HSIT, Nidasoshi	Ye -	A.

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VGST Sponsored 4-Days FDP On: "Software Engineering and Testing Methodologies"

## Attendance Sheet – 19<sup>th</sup> March 2022

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2	Prof. Bhavaling Alias Pratima Khot	ECE, HSIT, Nidasoshi	Cits	Balts
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. 8	Prof. Onkar B Heddurshetti	EEE, HSIT, Nidasoshi	Ø?	R.
Ó	Prof. Jayaraj Gaddihalli	MBA, IBMR B-SCHOOL 🖌	- ABS	ENT
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19	Prof. Amit Neshti	EEE, HSIT, Nidasoshi	enter	Ame
20	Prof. Sonam Bhandurge	CSE, AITM, Belagavi	Sonam	Sonam
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× 31	Prof. Shivanand D. Hirekodi	EEE,HSIT, Nidasoshi	2	2
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33	Prof. Pramod V Patil	ECE,HSIT, Nidasoshi	Retul	ATT
34	Prof. Rashmi Gomatesh Adike	CSE, KLECET, Chikodi	Philolik.	Delalike
35	Prof. Sheela S	CSE, GAT, Bengaluru	lister	Phone
36	Prof. Dattatray Mahadev Kumbhar	ECE, HSIT, Nidasoshi	sheetey.	These states
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39	Dr. K. M. Akkoli	ME, HSIT, Nidasoshi	L. Maria	Brack B
40	Dr. M.M.Shivashimpi	ME, HSIT, Nidasoshi	Mager	The second second
41	Dr. Shashikant Walki	CHE, HSIT, Nidasoshi	R	
42	Prof. Shantha H Biradar	ISE, MVIT, Bengaluru	CHRinder	CHO' las
43	Prof. Mohan S Futane	ME, HSIT, Nidasoshi	m	S. M. ps; raenar
44	Prof. Bhaskar Jayawant Raskar	CAD, KVM, Wai	A	- OL
45	Prof. Nilesh Suryakant Kulkarni	CSE, AM, Ajara	Mulleaus	Malleans
46	Prof. Laxman Gajanan Mulik	CSE, AM, Ajara	1 man ha	10100
47	Prof. Nyamatulla M Patel	CSE, HSIT, Nidasoshi	A-FO	100 C
48	Prof. Jyoti Tanaji Karnik	CSE, DC, Nippani	The in	Thornal
49	Prof. Reshma Niduni	CSE, DRMM, Kagal	R C Niduni	C Nideri
50	Dr. Manjunath S. Hanagadakar	CHE, HSIT, Nidasoshi	Pari	N. 5. 1410(0)
51	Dr. Shrinath Patil	MATH, HSIT, Nidasoshi	642	De o
52	Prof. Virupakshi M Bhumannavar	PHY, HSIT, Nidasoshi	- A	
53	Prof. Sangamesh Shivamoggimath	MATH, HSIT, Nidasoshi	(a) b	Contraction of the second seco
54	Prof. D. B. Madihalli	ECE, HSIT, Nidasoshi	John /	- STA
55	Prof. Prasanna Patil	CSE, MIT, Mysore	Aller	2012
56	Prof. Gururaj Solabannavar	LIB, HSIT, Nidasoshi	()	
57	Prof. Aruna Anil Daptardar	CSE, HSIT, Nidasoshi	a the	a string
58	Prof. Shivanand V. Maniaragi	CSE, HSIT, Nidasoshi	A Vypton	Nop
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SI. No.		Name of the Dopartment	Signature			
	Participants Name	/ College	Morning Session	Afternoon Session		
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60	Prof. S.A. Goudadi	ME, HSIT, Nidasoshi	Juli	Juli		
61	Prof. Girish Zulapi	ME, HSIT, Nidasoshi	Delap!	"Soulop"		
62	Prof. Preeth R. Patil	CV, HSIT, Nidasoshi	al l	A		
63	Prof. S. B. Sarawadi	PD, HSIT, Nidasoshi	BS-03004 . 900:	BSamusal		
64	Prof. S. A. Patil	MATH, HSIT, Nidasoshi	(mlen	Ali		
65	Prof. S. M. Chandrakanth	CV, HSIT, Nidasoshi	P	Cont -		
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## List of Participants for 4 Days VGST Sponsored FDP on '' Software Engineering and Testing Methodologies'' From 16-03-2022 To 19-03-2022

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59	Prof. Ravindra R Patil	CSE	HSIT, Nidasoshi	ravindrapatil.cse@hsit.ac.in	9845455422		the



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m Dr. S. G. Gollagi Co. Prin Coordinator

Prof. A. A. Daptardar

Prin. Coordinator

De 16/03/22 Prof. S. V. Manjaragi

Convener, HOD, CSE

Dr. S. C. Kamate Chairman / Principal





FDP/HIT/CSE/2021-2022

## **4-Days VGST Sponsored Faculty Development Programme**

On

# *"Software Engineering and Testing Methodologies"*

< 16<sup>th</sup> to 19<sup>th</sup> March, 2022 >

Organized by : Dept. of Computer Science and Engg., HIT, Nidasoshi

Fund sanctioned by VGST: Rs. 2.00 Lakhs

<Vide letter No. KSTePS/VGST/FDP/2019-20/FDP-08/93/2020-21/669, dated 25-10-2021 >

Total Participants: 63

Reported by: Coordinator, VGST-FDP, HIT, Nidasoshi

Chief Program Coordinator: Prof. Aruna A. Daptardar, faculty, CSE, HIT, Nidasoshi



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FDP/HIT/CSE/2019-2020

A 4-Days Faculty Development Programme on "Software Engineering and Testing Methodologies", Funded by Vision group on Science and Technology, Dept. of IT, BT and S &T for the year: 2019-2020 was held at the Department of Computer Science and Engineering, Hirasugar Institute of Technology, Nidasoshi, from 16<sup>th</sup> March to 19<sup>th</sup> March, 2022. The major focus of the FDP was on upgrading the teaching, training, and research skills for the development of faculty members in the emerging area of "Software Engineering and Testing Methodologies". It intends to provide opportunities for faculty members to renew their intellectual vitality and further their professional growth. The Programme also aims at equipping teachers with skills and knowledge in the field of Software Engineering and Testing Methodologies that are essential for inculcating learning values in students and guiding and monitoring their progress towards their career. Program titled heavily towards Handson/Laboratory oriented Teaching. Faculty Development Programme encourages developing keen insight into the area of Software Engineering and Testing Methodologies which includes Automation Testing, Manual Testing etc. This will open up new perspectives in design and development of new products for the industry/societal needs.

The FDP was attended by 61 participants from faculty members of CSE, ECE, EEE, ME and Civil Departments of various Engineering colleges across state and neighboring state Maharashtra.

Faculty Development Programme was conducted successfully as per the guide lines set by the VGST. We have received a very positive feedback from the participants. The Program coordinator, would like to express gratitude to VGST, Govt. of Karnataka, for approving and sanctioning the Faculty Development Program.

Prof. Aruna A. Daptardar Chief Program Coordinator



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## INAUGURAL SESSION





The esteemed personalities present on the inauguration of the programme:(L-R) Prof. S G Gollagi, Dr. S C Kamate, Dr. Shashidhar Koolagudi, Prof. S V Manjaragi, Prof. Aruna Daptardar.

Dr. Shashidhar Koolagudi, Professor, National Institute of Technology Karnataka, Dr. S C Kamate, Principal, Hirasugar Institute of Technology. Prof. S V Manjaragi, Convener of FDP and HOD of CSE Department, welcomed all the respected dignitaries, participants and emphasized the benefits of such kind of resourceful activity. Dr. Shashidhar Koolagudi, Delivered key note speech. Dr. S C Kamate, Principal, appreciated the program organized by CSE dept. and urge the participants to make best use of the platform for enriching their knowledge. The Head of the Department Prof. S V Manjaragi, HODs of various Department, Participants & staff members of were present on the occasion. Prof. N. M. Patel, proposed Vote of thanks.



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## **TECHNICAL SESSIONS**

## Day: 16/03/2022

Session-I: Lecture by Dr. Bhagyashri R Hanji, Global Academy of Technology, Bengaluru



## **Fundamentals of Software Engineering :**

Software Engineering is a systematic collection of good program development practices and techniques. Software engineering discusses systematic and cost-effective techniques for software development. These techniques help develop software using an engineering approach. Software engineering principles have evolved over the last sixty years with contributions from numerous researchers and software professionals. Software engineering principles are now being widely used in industry, and new principles are still continuing to emerge at a very rapid rate—making this discipline highly dynamic.



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## Day: 16/03/2022

Session-II: Lecture by Dr. Shashidhar G Koolagudi, NITK, Suratkal, Karnataka, INDIA



## Software Process Models :

A software process model is an abstraction of the software development process. The models specify the stages and order of a process. So, think of this as a representation of the order of activities of the process and the sequence in which they are performed. Choosing the right software process model for your project can be difficult. If you know your requirements well, it will be easier to select a model that best matches your needs. You need to keep the following factors in mind when selecting your software process model.





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## Day: 16/03/2022 & 17/03/2022

Session-III and Session I: Lecture by Mr. Pralhad Kulkarni, Bosch Global Software Technologies Pvt.

Ltd. Bengaluru,



## Agile Methodology I and II:

In continuation with the previous session discussions has been carried out with Agile Methodology. Started with the definition discussion happened on what is Agile Methodology, drawbacks of the conventional software model such as Waterfall Model. Continued with brief overview of how development occurs in Agile philosophy. Then started with an example to understand clearly how agile actually works. The Session ended with Advantages and disadvantages of Agile Methodology.



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## Day: 17/03/2022

Session-II: Lecture by Dr. Manjunath K Vanahalli, Faculty, IIIT, Dharawad, India



## **Requirement Analysis and Specification:**

Software requirement means requirement that is needed by software to increase quality of software product. These requirements are generally a type of expectation of user from software product that is important and need to be fulfilled by software. Analysis means to examine something in an organized and specific manner to know complete details about it. Therefore, Software requirement analysis simply means complete study, analyzing, describing software requirements so that requirements that are genuine and needed can be fulfilled to solve problem. There are several activities involved in analyzing Software requirements: Problem Recognition, Evaluation and Synthesis, Modeling, Specification, Review.



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## Day: 17/03/2022

Session-III: Lecture by Dr. Annappa K, NITK, Surtkal, Karnataka, INDIA



## **Procedural Design Methodology:**

The objective in procedural design is to transform structural components into a procedural description of the software. The step occurs after the data and program structures have been established, i.e. after architectural design. Procedural details can be represented in different ways: 1. Graphical Design Notation: The most widely used notation is the flowchart. 2. Tabular Design Notation: Decision tables provide a notation that translates actions and conditions (described a processing narrative) into a tabular form. 3. Program Design Language: It is a method designing and documenting methods and procedures in software. It is related to pseudocode, but unlike pseudocode, it is written in plain language without any terms that could suggest the use of any programming language or library.



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## Day: 17/03/2022

Session-IV: Lecture by Dr. R. Kanagavalli, Global Academy of Technology, Bengaluru



## **Object Oriented Analysis and Design :**

Object-oriented analysis and design (OOAD) is a technical approach for analyzing and designing an application, system, or business by applying object-oriented programming, as well as using visual modeling throughout the software development process to guide stakeholder communication and product quality. OOAD in modern software engineering is typically conducted in an iterative and incremental way. The outputs of OOAD activities are analysis models (for OOA) and design models (for OOD) respectively. The intention is for these to be continuously refined and evolved, driven by key factors like risks and business value. The object-oriented paradigm emphasizes modularity and re-usability. The goal of an object-oriented approach is to satisfy the "open–closed principle". A module is open if it supports extension, or if the module provides standardized ways to add new behaviors or describe new states.



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## Day: 18/03/2022

Session I: Lecture by Dr. Vivekraj V K, Faculty, IIIT, Dharawad, India



## Modeling with Unified Modeling Language :

Unified Modeling Language (UML) is a general purpose modelling language. The main aim of UML is to define a standard way to visualize the way a system has been designed. It is quite similar to blueprints used in other fields of engineering. UML is linked with object oriented design and analysis. UML makes the use of elements and forms associations between them to form diagrams. Diagrams in UML can be broadly classified as: Structural Diagrams – Capture static aspects or structure of a system. Structural Diagrams include: Component Diagrams, Object Diagrams, Class Diagrams and Deployment Diagrams. Behavior Diagrams – Capture dynamic aspects or behavior of the system. Behavior diagrams include: Use Case Diagrams, State Diagrams, Activity Diagrams and Interaction Diagrams



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## Day: 18/03/2022

Session II: Lecture by Mr. Pralhad Kulkarni, Bosch Global Software Technologies Pvt. Ltd. Bengaluru,



## Software Risk Management :

Software risk management begins with the notion that software risk is an issue that needs to be managed. Software risk at its core stems from problems within the software itself, i.e., the source code that is introduced during development. Software risk management must then address two Software types of issues: Software failure and non-performance, Project and program management and delivery. Software risk management takes a proactive approach Software risk by providing an approach and methodology to look for areas where a software defect impacts the usability of the software for end users and the business. For example, a catastrophic failure as the result of a software bug that does not allow the software to run correctly or at all is a type of software risk that must be managed.



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## Day: 18/03/2022

Session III: Lecture by Mr. Chandrakant Belavi, Infosys, Pune, India



## **Software Testing:**

Testing is intended to show that a program does what it is intended to do and to discover program defects before it is put into use. The testing process has two distinct goals- to demonstrate to the developer and the customer that software meets its requirements and to discover situations in which the behavior of the software is incorrect, undesirable or dose not conform to its specification. Boundary Value Analysis is to use input variable values at their minimum, just above the minimum, a nominal value, just below their maximum, and at their maximum.

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Hands-on session: **18**<sup>th</sup> ,and **19**<sup>th</sup> March **2022** By: Mr. Chandrakant Belavi and Team, Infosys, Pune



Hands on session began with the installation of Visual Studio 2022 package. Then covered some simple examples of C# programming language. Installation of Selenium Testing package tool. Implementation of some testing automated testing examples.



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Prof. S. V. Manjaragi, HOD, CSE Dept. Prof. Aruna. A. Daptardar Principal Coordinator.

All the personalities appreciated the department for organizing the FDP. The program was ended with Certificates distribution and vote of thanks.



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## FDP/HIT/CSE/2021-2022

**OUTCOME:** All the sessions were very much informative both lecture and hands-on. The discussed areas are of great benefit for the participants as the topics match with the current working domain. Participants were enlightened with the most widely used advance technologies in this domain. This in turn will help in research activity and placement opportunity.



Group photo: Chief Guest, Convener, Chairman, Participants and Organizing Committee members