Ref VTU/Aca./Res. Cent./A4/2022-23/ 6320/1   Date: 24 JAN 2023

NOTIFICATION

Sub: Grant of Recognition / Continuation (Extension) of Research Centers to offer Ph.D/M.Sc.(Engg.) by research reg…..

Ref: Executive Council Resolution No. 2.1.6, dated 30.07.2022.

In Pursuant to the resolution of Executive Council referred to the above, it is hereby notified that the following Department/s are Recognized as Research Centre/s to offer Ph.D / M. Sc.(Engg.) by Research programs under section (41) of the VTU Act 1994, in accordance with the Regulations and Guidelines in force (visit our VTU website www.vtu.ac.in for Regulations & Guidelines). The College / Institution may apply for the continuation of recognition against the University Notification after completion of Recognition period of the Research Centre/s.

Name of the college: HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI

Type of Recognition	Department	Recognition	Period of the Recognition
Continuation Research Centre Recognition	Computer Science & Engineering	Recommended	2022-23
	Chemistry	Recommended	2022-23
	Mechanical Engineering	Recommended	2022-23
	Electronics & Communication Engineering	Recommended	2022-23
	Electronics & Electronics Engineering	Recommended	2022-23

REGISTRAR

To,
The Principal,
Hirasugar Institute of Technology,
Nidasoshi-591236.

Copy to:

1. The Secretary to VC, VTU, Belagavi for kind information.
2. The Registrar (Evaluation) VTU, Belagavi for kind information.
3. The Regional Director (I/C) of all Regional Offices of VTU for kind information.
4. The Special Officer, Ph. D. Section, VTU, Belagavi.

Visvesvaraya Technological University
Jnana Sangama", Belagavi-590 018, Karnataka State

Registrar

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

Ref. VTU/ACA-LIC/2020-21/SO/ 2091/92

Date:_____
3 SEP 2020

NOTIFICATION

Sub: Grant of Recognition / Continuation (Extension) of Research Centers to offer Ph.D/M.Sc. (Engg.) by research reg...
Ref: Executive Council Resolution No. 2.3.1 dated 30-07-2020

Pursuant to the Resolution of Executive Council referred to the above, it is hereby notified that the following Departments are Recognized as Research Centre/s to offer Ph. D / M.Sc. (Engg) by Research programs under section (41) of the VTU Act 1994, in accordance with the Regulations and Guidelines in force (visit our VTU website www.vtu.ac.in for Regulations & Guidelines). The College / Institution may apply for the continuation of recognition against the University Notification after completion of Recognition period of the Research Centre/s.

Name of the college: HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI

Type of Recognition	Departments	Recognition	Period of the Recognition
Continuation Research Center	Mechanical Engineering	Recommended	2020-21 and 2021-22
Continuation Research Center	Computer Science & Engineering	Recommended	2020-21 and 2021-22

REGISTRAR
VTU, Belagavi

To,
The Principal,
HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI

Please Note: Though the Notification is issued for 1 academic year (Fresh) & 2 academic years (Continuation), the college has to pay the continuation fee of Rs. 5,000/- per department annually.

Copy to:
1. The Secretary to VC, VTU, Belagavi for kind information.
2. The Registrar (Evaluation), VTU, Belagavi for kind information.
3. The Regional Director (I/c) of all Regional offices of VTU for kind information.
4. The Special Officer of Ph. D. Section, VTU, Belagavi.

Ref. VTU/ACA-LIC/2021-22/SO/ 4213/3

Date:_____
[1 0 DEC 2021]

NOTIFICATION

Sub: Grant of Recognition / Continuation (Extension) of Research Centers to offer Ph.D/M.Sc. (Engg.) by research reg…
Ref: EC Approval dated 30-11-2021.

Pursuant to the Resolution of Executive Council referred to the above, it is hereby notified that the following Departments are Recognized as Research Centre/s to offer Ph. D / M.Sc. (Engg) by Research programs under section (41) of the VTU Act 1994, in accordance with the Regulations and Guidelines in force (visit our VTU website www.vtu.ac.in for Regulations & Guidelines). The College / Institution may apply for the continuation of recognition against the University Notification after completion of Recognition period of the Research Centre/s.

Name of the college: HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI

Type of Recognition	Departments	Recognition	Period of the Recognition
Continuation Research Center	Electronics & Communication Engineering	Recommended	2021-22 and 2022-23
Continuation Research Center	Electrical & Electronics Engineering	Recommended	2021-22 and 2022-23
Continuation Research Center	Chemistry	Recommended	2021-22 and 2022-23
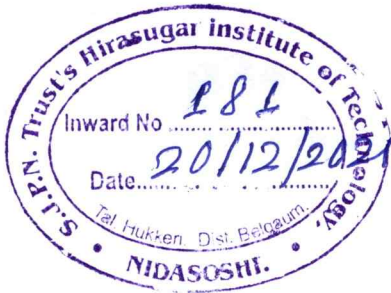
Inward No 181
Date 20/12/2021

REGISTRAR
VTU, Belagavi

To,
The Principal,
HIRASUGAR INSTITUTE OF TECHNOLOGY, NIDASOSHI

Please Note: Though the Notification is issued for 1 academic year (Fresh) & 2 academic years (Continuation), the college has to pay the continuation fee of Rs. 5,000/- per department annually.

Copy to:
1. The Secretary to VC, VTU, Belagavi for kind information.
2. The Registrar (Evaluation), VTU, Belagavi for kind information.
3. The Regional Director (I/c) of all Regional offices of VTU for kind Teformation.
4. The Special Officer of Ph. D. Section, VTU, Belagavi.

	S J P N Trust's	Mech. Engg. Dept.
	Hirasugar Institute of Technology, Nidasoshi	**R&D Cell**
	Approved by AICTE, Recognized by Govt..of Karnataka and Affiliated to VTU Belagavi.	**Facilities**
	Accredited at 'A' Grade by NAAC **Programmes Accredited by NBA: CSE, ECE, EEE & ME.**	**AY:2021-22**

Research & Development Facilities

Alternative Fuel Laboratory

Bio-Diesel Plant:

Technical Specification:

Trans-etherification Reactor: S.S 304,15 Liters volume Trans-esterificaton reactor with S.S Electric heating coil of 0.5KW, Thermo well with thermometer, S.S liquid flow indicator, Reaction view port, Reaction pressure indicator, Charge/Loading port, Polypropylene circulation pump for liquid transfer and Uniform mixing Reaction test cork, safety valve, etc.

Washing and drying vessel: Washing inlet and outlet and drain valves and drying vessel in SS 304with 15 liters volume Bio-Diesel with top lid and bottom cone. The vessel is fitted with 0.5KW SS heating-coil, thermo meter.

M.S Structure: The structure is a angular structure to mount reactor and equipment's. This structure is specially designed in the form of a portable skid. If required; the structure can be transported to different sites.

Reflux Condenser: S.S 304 Vapor condensing tubes in M.S Body, water inlet & outlet, vapor inlet & condensate outlet with control valve and pipelines like Final vent, Pressure indicating gauge, Vapor inlet, Water inlet & outlet Condensate outlet

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

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		Mech. Engg. Dept.
	S J P N Trust's	**R&D Cell**
	Hirasugar Institute of Technology, Nidasoshi	
	Approved by AICTE, Recognized by Govt..of Karnataka and Affiliated to VTU Belagavi.	**Facilities**
	Accredited at 'A' Grade by NAAC	
	Programmes Accredited by NBA: CSE, ECE, EEE & ME.	**AY:2021-22**

Hot water tank: Hot water tank with 20 liters holding capacity equipped with 1.5KW heating-coil, water inlet & outlet, over flow, drain control valves, temperature indicating thermometer mounted on a M.S Stand connected with flexible washing shower

Electric control panel:A traditional electric control panel with single phase/ heating system equipped with indicators, volts and amps meter

Oil Expeller: 5-10 Kgs per hour oil expeller along with bag filter and compatible accessories.

Bio-fuel Titration Kit: B-Beaker low form 250ml Boro lab, B-Beaker lowform 100ml Boro lab, F-Conical flask250ml Boro lab, Conical Flask 100 ml, T-Thermometer 10' C TO 110' C, H-

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Page **2** of **12**

		Mech. Engg. Dept.
	S J P N Trust's	**R&D Cell**
	Hirasugar Institute of Technology, Nidasoshi	**Facilities**
	Approved by AICTE, Recognized by Govt..of Karnataka and Affiliated to VTU Belagavi.	
	Accredited at 'A' Grade by NAAC	**AY:2021-22**
	Programmes Accredited by NBA: CSE, ECE, EEE & ME.	

Hydro meter Range: 0.7 TO 1.0, J-Measuring jug 2ltr Poly Propylene, J-Measuring jar 500 ml Poly Propylene, Test tube 25x150 mm (3 Nos), Burette stand with clips, P-Phenolphthalein solution 125ml P40871, I-Isopropyl alcohol 500ml. I11129, Indicator paper ph 0-14Nice I-40656, Heating mantel-250 ml, Graduated glass measuring cylinder 10 ml.

Bio Diesel Testing Lab Equipments as per BIS IS15607:2005: Viscometer bath with Viscometer, Pensky-Martin Flash point Apparatus Digital, Copper Strip Bath with Bomb with Standard Strip, Top Pan Balance – 300 gm capacity, sensitivity 0.1 gm, Supporting Literature.

The computerized VCR Engine set-up:

Technical Specification and Details:

1Cylinder, 4 Stroke, Multi Fuel , Kirloskar TV1, constant speed, Power 5.2 kw @ 1500 rpm, 661cc The is a single cylinder, four stroke, VCR (Variable Compression Ratio) Diesel Engine. The set up has stand-alone panel box consisting of air box, twin fuel tank for duel fuel test, manometer, fuel measuring unit, transmitters for air and fuel flow measurements, process indicator and piezo powering unit. Rota meters are provided for ooling water and calorimeter water flow measurement. The setup enables study of VCR engine performance for both Diesel and Petrol. Single cylinder four stroke, water cooled, Kirloskar engine modified to VCR Diesel. The compression ratio can be changed without stopping the engine and without altering the combustion chamber geometry by specially designed tilting cylinder block arrangement.

Features:•Changing CR without stopping the engine

• Diesel operation • Diesel injection point advancement

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	S J P N Trust's	Mech. Engg. Dept.
	Hirasugar Institute of Technology, Nidasoshi	**R&D Cell**
	Approved by AICTE, Recognized by Govt..of Karnataka and Affiliated to VTU Belagavi.	
	Accredited at 'A' Grade by NAAC	**Facilities**
	Programmes Accredited by NBA: CSE, ECE, EEE & ME.	**AY:2021-22**

• Electric starting arrangement • PΘ-PV plots, IP, IMEP, FP indication • Combustion analysis Dynamometer :Type eddy current, water cooled, with loading unit Propeller shaft With universal joints Air box M S fabricated with orifice meter and manometer Fuel tank Capacity 15 lit, Type: Duel compartment, with fuel metering pipe of glass Calorimeter Type Pipe in pipe Piezo sensor Combustion: Range 350BA, Diesel line: Range 350 BAR, with low noise cable Crank angle sensor Resolution 1 Deg, Speed 5500 RPM with TDC pulse.

Data acquisition device NI USB-6210, 16-bit, 250kS/s.

Temperature sensor Type RTD, PT100 and thermocouple, Type K Temperature transmitter Type two wire, Input RTD PT100, Range 0–100 Deg C, Output 4–20 mA and Type two wire, Input Thermocouple, Load sensor Load cell, type strain gauge, range 0-50 Kg Fuel flow transmitter DP transmitter, Range 0-500 mm WC

Air flow transmitter Pressure transmitter, Range (-) 250 mm WC Software "Enginesoft" Engine performance analysis software Rotameter Engine cooling 40-400 LPH; Calorimeter 25-250 LPH Pump Type Monoblock

Software: EngineSoft is Labview based for engineperformance monitoring system. EngineSoft can serve most of the engine testing application needs including monitoring, reporting, data entry, data logging. The software valuates power, efficiencies, fuel consumption and heat release. Various graphs are obtained at different operating condition. While on line testing of the engine in RUN mode necessary signals are scanned, stored and presented in graph. Stored data file is accessed to view the data graphical and tabular fo mats. The data in excel format can be used for further analysis.

Instrumentation: Product is supplied with best quality instruments. The dycurrent dynamometer is SAJ,Pune make. The components like Combustion pressure sensor (PCB Piezotronics, USA), Crankanglesensor(Kubler, Germany), Fuel flow ansmitte r(Yokogawa, Japan), Temperature & pressure transmitters(Wika, Germany),

High speed data acquisition device (National instruments, USA) are of MNC grades

Diesel Smoke meter:

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Phone:+91-8333-278887, Fax:278886, Web:www.hsit.ac.inMail:hod.mech@hsit.ac.in

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	S J P N Trust's	Mech. Engg. Dept.
	Hirasugar Institute of Technology, Nidasoshi	**R&D Cell**
	Approved by AICTE, Recognized by Govt..of Karnataka and Affiliated to VTU Belagavi.	**Facilities**
	Accredited at 'A' Grade by NAAC	
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Measurement range: Absorption 0-99.99 m-1,   Opacity 0-100%. Resolution: Absorption 0.01m-1   Opacity 0.1%   Better than +/- 0.1m-. Operating temperature: 0^OC-50^OC. Calibration: Automatic Linearity Check: Around 50% of measurement range at the press of key/lever. Measurement length: 430mm +/- 5mm, Dimension: 600x260x370mm. (W X H X D). Weight: Approximately 22 Kg s. Power supply: AC 190-240V AC 50. DC 11 V-36V DC within built inverter. Printer: Built in impact printer with provision for multiple print out. Computer interface: RS 232 serial interface to operate on PC for communicating data.

Display: Digital, Clear and visible in all natural conditions. Approval: A.R.A.I. Pune. Results compatibility: Measurement results are fully compatible with Hatridge Smoke Units (HSU). Range/Accuracy/Resolution: The Device should have Calibration for low and high speed with indication. The device should calibrate before each free acceleration test.

Exhaust Gas Analyzer:

Technical Specification and Details:
 "MARS" make Microprocessor based Multi Gas Analyser for CO,CO2,O2,NOx & HC model MN-05 with standard accessories with printer Operating System: PIC- Micro Controller Display: LCD Display
Interface: RS-232 & RS-485 Power Supply: 230v AC 50 Hz   12 v DC (Optional)
Dimensions: 450 mm X 300 mm X 120 mm Approx. Weight: 5 kg Approx.
Measurements:
1. CO (Range: 0 – 9.99% vol Resolution: 0.001% vol)
2. HC (Range: 0 – 15000 ppm Resolution: 1 ppm)
3. CO_2 (Range: 0 – 20% vol Resolution: 0. 01% vol)
4. O_2(Range: 0 – 25% vol Resolution: 0. 1% vol)
5. NO_X (Range: 0 – 5000 ppm Resolution: 1 ppm)
6. Engine RPM (Range: 500 – 6000 rpm Resolution: 1 rpm)
7. Oil Temperature (Range: 0 – 150^0 C Resolution: 1^0C)
8. Lambda (λ) (Range: 0 .200 – 2.000% Resolution: 0.001)

Aerodynamics Laboratory

- **Technical Specification:** Type : Open Type Wind Tunnel.
  Test Section : 300 X 300 X 1000mm
  Blower Fan/Axial fan : 5 Blades AluminumDia Cast Fan.
  Motor : 3 H.P. AC Induction Motor. 2880 Rpm., 440 V / 15 Amp.
  Controller : LG Make / Delta Make. Wind Speed in Test Section: 30 M/sec by Suitable
  Blower Fan/Axialfan.
  Duct : Manufactured Out Of Fiber Glass With Inside Smooth Finish .
  Length Of Tunnel : 4.2 Meter Approx.
  Air Length : 9.5 Meter.
  Contraction Ratio : 9:1
- **Instrumentation :** Two Component Digital Force Indicator with Strain Gauge Balance.
- **Measuring Capacity :** Lift Force Up To 25 Kg. Drag Force Up To 10kg.
- **Multitube Manometer :** Acrylic/Galss 400mm Height, 500mm Width (approx) 12
  Tubes, 6mm, Dia 0 - 45 Inclination With Vertical Axis.
- **Micromanometer :** 50mm
- **MicropitotTube :** 15cm. Long Along With Micrometer 0-25mm.
- **Anemometer :** 10-30 M/sec.

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	S J P N Trust's	Mech. Engg. Dept.
	Hirasugar Institute of Technology, Nidasoshi	**R&D Cell**
	Approved by AICTE, Recognized by Govt..of Karnataka and Affiliated to VTU Belagavi.	
	Accredited at 'A' Grade by NAAC	**Facilities**
	Programmes Accredited by NBA: CSE, ECE, EEE & ME.	**AY:2021-22**

Project & Assembly Laboratory

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	S J P N Trust's	Mech. Engg. Dept.
	Hirasugar Institute of Technology, Nidasoshi	**R&D Cell**
	Approved by AICTE, Recognized by Govt..of Karnataka and Affiliated to VTU Belagavi.	**Facilities**
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	Programmes Accredited by NBA: CSE, ECE, EEE & ME.	**AY:2021-22**

Simulation & Coding Laboratory and Robotics & Automation Lab/Idea Lab
(Tech Fortune &Creintors Industry Academia Collaboration)

Aurdino Kits &Sci lab, Origin &Graphersoftware
MAT LAB R2018b-Basic Software with MAT Lab Tool Boxes:1. Simulink-MAT LAB 2. Neural Network (for deep learning) 3.Partial Differential Equation 4.Curve Fitting
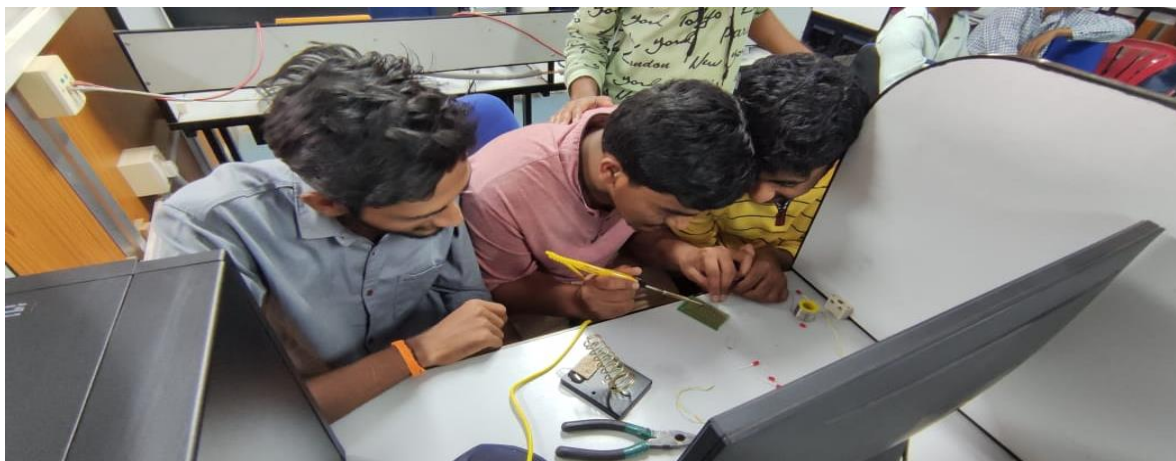
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	S J P N Trust's	Mech. Engg. Dept.
	Hirasugar Institute of Technology, Nidasoshi	**R&D Cell**
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	Accredited at 'A' Grade by NAAC	**Facilities**
	Programmes Accredited by NBA: CSE, ECE, EEE & ME.	**AY:2021-22**

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	S J P N Trust's	Mech. Engg. Dept.
	Hirasugar Institute of Technology, Nidasoshi	**R&D Cell**
	Approved by AICTE, Recognized by Govt..of Karnataka and Affiliated to VTU Belagavi.	
	Accredited at 'A' Grade by NAAC	**Facilities**
	Programmes Accredited by NBA: CSE, ECE, EEE & ME.	**AY:2021-22**

Skill Development Laboratory
(BOSCH Industry-Academia Collaboration)

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Phone:+91-8333-278887, Fax:278886, Web:www.hsit.ac.inMail:hod.mech@hsit.ac.in

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	S J P N Trust's	Mech. Engg. Dept.
	Hirasugar Institute of Technology, Nidasoshi	**R&D Cell**
	Approved by AICTE, Recognized by Govt..of Karnataka and Affiliated to VTU Belagavi.	
	Accredited at 'A' Grade by NAAC	**Facilities**
	Programmes Accredited by NBA: CSE, ECE, EEE & ME.	**AY:2021-22**

Research Computerized VCR Engine Setup: Open ECU connected, Single Cylinder CRDI with EGR Multi fuel combustion Arrangements.

Technical Specifications:

Product: CRDI-VCR Engine test (Computerized) Engine:MakeKirloskar, Single cylinder, 4 stroke, water cooled, stroke 110 mm, bore87.5 mm, 661 cc. Power3.5 KW, 1500 rpm, CR range 12-18.,Dynamometer:Type eddy current, water cooled with loading unit, Propeller shaft:Make Hindustan Hardy, with universal joints, ECU:ModelNira i7r (with solenoid injector driver) with programmable ECU softwareand Calibration cable, Common rail:With pressure sensor and pressure regulating valve, EGR:SS, Water cooled , Injector:Type Solenoid driven, Piezosensor:Make PCB USA.Combustion: Range 350Bar with low noise cable, Crank angle sensor:MakeKubler Germany, Resolution 1 Deg, Speed 5500 RPM with TDC pulse., Data acquisition device:Make NI Instrument USA, NI USB-6210, 16-bit, 250kS/s., Temperature sensor:Make Radix, Type RTD, PT100 and Thermocouple, Type K, Temperature: Make ABUSTEK USA, Type two wire, Input RTD PT100, Range 0–100 DegC,Transmitter:Output 4–20 mA and Type two wire, Input Thermocouple., Load sensor:Make VPG Sensotronics, Load cell, type strain gauge, range 0-50 Kg, Fuel flow transmitter:Make Yokogawa Japan, DP transmitter, Range 0-500 mm WC, Fuel tank:Capacity 15 lit, Type: Duel compartment, with fuel metering pipe of glass, Calorimeter:Pipe in pipe, Air flow transmitter:MakeWika Germany, Pressure transmitter, Range (-) 250 mm WC, Software:"Engine soft" Engine performance analysis software, Rotameter:Make Eureka, Engine cooling 40-400 LPH, Calorimeter 25-250 LPH, Pump:MakeKirloskar, Type Monoblock.

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VTU – ALTEM DESIGN & ANALYSIS LABORATORY

List of Application Soft wares

S. No.	MSC Software	Short Description of Visualizing Engineering Software Package
1	MSC Nastran	Multidisciplinary Industry Standard Structural Analysis Simulation
2	Patran	Comprehensive Pre- and Post- Processing Environment Finite Element Modeling
3	MSC Apex	Unified CAE Environment for Virtual Product Development
4	Marc Mentat	Advanced Nonlinear Simulation Solution
5	Adams	Advanced Multi-Body Dynamics Simulation Solution
6	Digimat	Nonlinear Multi Scale Material and Structure Modeling Platform
7	Digimat –AM	Application for simulation of Additive Manufacturing Process of Polymer Parts
8	Easy5	Multi-Domain Modeling of Controls & System Solution
9	scFLOW	New Generation CFD Software with Multi-Physics
10	Dytran	Explicit Dynamics and Fluid Structure Interaction
11	Simufact Additive	Simulation Tool for Distortion Prediction in Powder Bed Additive Manufacturing
12	Simufact Forming	Simulate Metal Forming, Heat Treatment & Mechanical JoiningProcess
13	Simufact Welding	Simulate Complex Welding Process, Predicts Distortions & Stress Relief
14	Sinda	Industry Proven Advanced Thermal Simulation Solution
15	MSC Fatigue	Predict Fatigue Life, Durability and Damage Predictions (within Patran)

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Visvesvaraya Technological University
Jnana Sangama, Belagavi-590018
VTU-CONSORTIUM

Subscription of E-Resources for the year 2021-22

SL NO	PUBLISHERS	SUBJECT CATEGORY	RESOURCE COVERAGE	NO. OF RESOURCES	CONTACT DETAILS	SUBSCRIPTION PERIOD
1.	**Elsevier** **www.sciencedirect.com**	Engineering + CS + EE + ME + EC and CV	Artificial Intelligence-**22** Computer Graphics and Computer-Aided Design-1**9** Computer Networks and Communications-**29** Computer Vision and Pattern Recognition-**10** Hardware and Architecture-**20** Information Systems-**28** Signal Processing-**13** Aerospace Engineering-**5** Biomedical Engineering-**16** Civil and Structural Engineering-**35** Computational Mechanics-**11** Electrical and Electronic Engineering-**33** Mechanical Engineering-**36** Ocean Engineering-**6** Safety, Risk, Reliability and Quality-**13** (Back Issues from 2010)	**296 Journals**	**Nikhil Bhalerao** 7428699374 n.bhalerao@elsevier.com	**01-05-2021 to 30-04-2022**
2.	**IEEE** Proceedings Order Plan (**POP**) **https://ieeexplore.ieee.org**	The core collection of IEEE conference proceedings from approximately 100 of IEEE's most important conferences. Full-text access with a backfile to 2010.	• Aerospace and Defense • Biometrics • Computer Hardware and Software • Cyber Security • Electronics • Internet of Things (IoT) • Medical Devices • Nanotechnology • Optics • Power Engineering • Robotics • Semiconductors • Smart Grid • Telecommunications • Wireless Technology (Back Issues from 2010)	**530,000 papers - from 100 core IEEE conference titles in POP**	**Manjunath SR** 9870200104 mrudrappa@ebsco.com	**23-08-2021 to 22-08-2022** After this 1 month compliment.. access up to Sept. 2022
3.	**Springer Nature** **https://link.springer.com/** SPRINGER NATURE	Electrical & Electronics Mechanical Civil Computer Science Engineering (Allied Subject) Chemistry and Material Science Mathematics Physics	Electrical & Electronics - **58** Mechanical - **44** Civil - **13** Computer Science - **93** Engineering (Allied Subject) - **39** Chemistry and Material Science - **162** Mathematics - **167** Physics - **104** (Back Issues from **1997**)	**690 Journals**	**Varghese P. Thomas** 9686964063 varghese.thomas@springernature.com **Rajaneesh** 9900555516 rajaneesh@springer.com	**01-04-2021 to 31-03-2022**

SL NO	PUBLISHERS	SUBJECT CATEGORY	RESOURCE COVERAGE	NO. OF RESOURCES	CONTACT DETAILS	SUBSCRIPTION PERIOD
4.	**Taylor & Francis** https://www.tandfonline.com/ Taylor & Francis Taylor & Francis Group	Engineering + CSE + ME + CV + Architecture and Allied Science	Allied Science-**324** Mechanical-**35** Textile -**8** Engineering & Technology-**76** Electrical-**17** Computer Science-**27** Civil & Structural-**31** BioTechnology-**17** Architecture-**19** **(Back Issues from 2010)**	**555 Journals**	**Vinay Srinivas** 9886044775 Vinay.srinivas@tandfindia.com **Onkar Verma** onkar.verma@tandfindia.com Tel: +91-11-43155118	**01-04-2021 to 31-03-2022**
5.	**Emerald** https://www.emeraldinsight.com/ emerald PUBLISHING	Management	Accounting, Finance & Economics-**9** Business, Management & Strategy-**18** Education-**10** Health & Social Care-**5** HR, Learning & Organization Studies-**17** Information & Knowledge Management-**10** Library Studies-**17** Marketing-**12** Operations, Logistics & Quality-**10** Property Management & Built Environment-**5** Public Policy & Environmental Management-**6** Tourism & Hospitality Management-**1**	**120 Journals**	**S Vinay Kumar** 9916252539 svkumar@emeraldgroup.com	**01-07-2021 to 30-06-2022** After this 3 months compliment.. access up to August 2022
6.	**ProQuest** https://www.proquest.com/165290 ProQuest	Architecture and all Engineering and it's Allied branches.	Technology Collection includes the Advanced Technology & Aerospace and Materials Science & Engineering Databases **(Back issues from 1962)**	Fulltext: **3900 Journals** Indexed: **7800 Abstract**	**Lakshmikanth A** 9886339117 Lakshmikanth.Aswathanarayan@proquest.com	**01-08-2021 to 31-07-2022**
7.	**Knimbus** https://new.knimbus.com knimbus	1. Digital Library Platform 2. Remote Access Solution 3. Mobile App	All subjects 12 K + Resources and following features 1. OA resources: Journals + e-Books + 2. e-Theses + Educational videos 3. 24 X 7 seamless access 4. Admin control for librarians 5. Usage report for individual college can take 6. Secured remote access full text content 7. Mobile compatibility	**E-Books: 10,000+ E-Journals: 5700+**	**Mohd.Tariq** 9625632330 mohd.tariq@knimbus.com **Venkatesh** 8722937551 venkatesh@knimbus.com	**01-04-2021 to 31-03-2022**

SL NO	PUBLISHERS	SUBJECT CATEGORY	RESOURCE COVERAGE	NO. OF RESOURCES	CONTACT DETAILS	SUBSCRIPTION PERIOD
8.	**Turnitin*** **https://www.turnitin.com/**	Plagiarism Originality Online Check*	End user Licenses: 1. Instructor profile 2. Student's profile	--	**Anub Kumar** 9811464814 akumar@turnitin.com	**03-06-2021 to 02-06-2022**
9.	**NetAnalytiks** **https://sententia.online/**	LANQUILL (Writing Grammar Tool)	1. Admin control for librarians 2. 24 X 7 seamless access 3. Usage report for individual college can take	--	**Laxminarayana Ullala** 9620555571 laks@netanalytiks.com	**01-04-2021 to 31-03-2022**

Note: 1. **Access given to only 140 PG program Colleges.*
     2. *Previous years' purchased online e-Books access is continued as perpetual, in the case of McGraw-Hill e-Books subscribed up to 31.05.2023.*

The e-Yantra Embedded System and Robotics Lab:

The research flat form 'The e-Yantra Embedded System Lab' has been created in collaboration with IIT Bombay, MHRD, New Delhi and National Education through Information and Communication Technologies, New Delhi to develop innovative projects.

Technical Specification: Firebird V 2560 with ATMEGA 2560 processor, IR proximity sensor,IR Range sensor 60X2 character LCD display, 2.4 GHz wireless Zigbee, Servomotor support.

MoUs established with various organisations for creation and transfer of knowledge:

For more details Click on below URLs:

S.N.	Organisation	Department	URL of e-copy
1	BOSCH India Pvt. Ltd	Mechanical Engineering	https://hsit.ac.in/NAAC/C3/2021-22/3.5.2-Functional-MoUs-Branchwise/ME/BOSCH-India-Pvt-Ltd.pdf
2	Creintors Automation Solutions Pvt. Ltd, Belagavi	Mechanical Engineering	https://hsit.ac.in/NAAC/C3/2021-22/3.5.2-Functional-MoUs-Branchwise/ME/Creintors-Automation-Solutions-Pvt-Ltd.pdf
3	Tech-Fortune Technologies, Bengaluru	Mechanical Engineering	https://hsit.ac.in/NAAC/C3/2021-22/3.5.2-Functional-MoUs-Branchwise/ME/Tech-Fortune-ME.pdf
4	Rajeev & Company Pvt. Ltd., Belagavi	Mechanical Engineering	https://hsit.ac.in/NAAC/C3/2021-22/3.5.2-Functional-MoUs-Branchwise/ME/Rajeev-and-Company.pdf
5	Tech Fortune Technologies	Computer Science & Engineering	https://hsit.ac.in/NAAC/C3/2021-22/3.5.2-Functional-MoUs-Branchwise/CSE/Tech-Fortune-CSE.pdf
6	aMSa Embedded Solution	Electronics & Communication Engineering	https://hsit.ac.in/NAAC/C3/2021-22/3.5.2-Functional-MoUs-Branchwise/ECE/MOU-AMSA.pdf
7	Electrosal Hi Tech Pvt. Ltd.	Electronics & Communication Engineering	https://hsit.ac.in/NAAC/C3/2021-22/3.5.2-Functional-MoUs-Branchwise/ECE/MOU-ELECTROSAL.pdf
8	Hubli Electricity Supply Company Ltd. (HESCOM)	Electrical & Electronics Engineering	https://hsit.ac.in/NAAC/C3/2021-22/3.5.2-Functional-MoUs-Branchwise/EEE/HESCOM-MoU-E-copy.pdf
9	PATCO Transformer Industries.	Electrical & Electronics Engineering	https://hsit.ac.in/NAAC/C3/2021-22/3.5.2-Functional-MoUs-Branchwise/EEE/PATCO-MoU%20E-copy.pdf

Collaborative activities conducted with various organisations

For more details click on the below URLs:

S.N.	Organisation	Department	URL of MoUs with Activities
1	BOSCH India Pvt. Ltd	Mechanical Engineering	https://hsit.ac.in/NAAC/C3/2021-22/3.5.2-Functional-MoUs-Branchwise/ME/BOSCH-India-Pvt-Ltd-Activities.pdf
2	Creintors Automation Solutions Pvt. Ltd	Mechanical Engineering	https://hsit.ac.in/NAAC/C3/2021-22/3.5.2-Functional-MoUs-Branchwise/ME/Creintors-Automation-Solutions-Pvt-Ltd-Activities.pdf
3	Tech-Fortune	Mechanical Engineering	https://hsit.ac.in/NAAC/C3/2021-22/3.5.2-Functional-MoUs-Branchwise/ME/Tech-Fortune-Activities.pdf
4	Rajeev & Company	Mechanical Engineering	https://hsit.ac.in/NAAC/C3/2021-22/3.5.2-Functional-MoUs-Branchwise/ME/Rajeev-and-Company-Activities.pdf
5	Tech Fortune	Computer Science & Engineering	https://hsit.ac.in/NAAC/C3/2021-22/3.5.2-Functional-MoUs-Branchwise/CSE/Tech-Fortune-CSE-Activity.pdf
6	aMSa Embedded Solution	Electronics & Communication Engineering	https://hsit.ac.in/NAAC/C3/2021-22/3.5.2-Functional-MoUs-Branchwise/ECE/MOUAMSA-IoTWorkshop-ECE.pdf
7	Electrosal Hi Tech Pvt. Ltd.	Electronics & Communication Engineering	https://hsit.ac.in/NAAC/C3/2021-22/3.5.2-Functional-MoUs-Branchwise/ECE/ElectrosalMOU-PCBworkshop-ECE.pdf
8	HESCOM	Electrical & Electronics Engineering	https://hsit.ac.in/NAAC/C3/2021-22/3.5.2-Functional-MoUs-Branchwise/EEE/HESCOM-Visit-2022-23.pdf
9	PATCO	Electrical & Electronics Engineering	https://hsit.ac.in/NAAC/C3/2021-22/3.5.2-Functional-MoUs-Branchwise/EEE/Cert-PATCO-EEE-2022-23.pdf

Industry linkages/collaborations established with various organisations for knowledge creation and transfer

For more details Click on below URLs:

Sl. No.	Name of the collaborating agency with contact details	Nature of collaborative activity	Link to the relavant document
1.	Chidanand Basaprabhu Kore Sahakari Sakkare Karakhane Niyamit, Chikodi-591201	Internship	https://www.hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ME/C-B-Kore-Sahakari-Sakkare-Karakhane-Niyamit-Chikodi.pdf
2.	GTTC Arabhavi-591307. Ph. 9141630309	Internship	https://www.hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ME/GTTC-Arabhavi.pdf
3.	Millennium Starch India Pvt. Ltd. Athani-591304, Ph.-08289-294062	Internship	https://www.hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ME/Millennium-Starch-India-Pvt-Ltd-Athani.pdf
4.	Abhishek Alloys Pvt. Ltd. Mache Belgaum-590014. off -0831-2411041	Internship	https://www.hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ME/Abhishek-Alloys-Pvt-Ltd-Mache-Belgaum.pdf
5.	Datta Krupa Engg Works. Jaysingpur	Internship	https://www.hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ME/Datta-Krupa-Engg-Works-Jaysingpur.pdf
6.	Mahalaxmi Engg. Belagavi	Internship	https://www.hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ME/Mahalaxmi-Engg-Belagavi.pdf
7.	Big Castings Pvt. Ltd. Belagavi-591156 Tel.-0831-2415880	Internship	https://www.hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ME/Big-Castings-Pvt-Ltd-Belagavi.pdf
8.	Sagar Engg Works, MIDC-416234 Kolhapur	Internship	https://www.hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ME/Sagar-Engg-Works-MIDC-Kolhapur.pdf
9.	Grihalaxmi Metal Industries Udyambag Belagavi-590008	Internship	https://www.hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ME/Grihalaxmi-Metal-Industries-Udyambag-Belagavi.pdf
10.	Contriver Bangalore-7829540019	Internship	https://www.hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ME/Contriver-Vijayanagar-Bangalore.pdf
11.	Mr. Vinayak Kadakbhavi, Executive HR Aequs Engineered Plastic Private Limited, Hattargi	Personality development skill	https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/2-AEQUS-Hattargi-Private-Limited-HR-Interaction-with-students.pdf
12.	Dr. P. P. Revankar, Professor, KLE Technological University, Hubli	Technical Talk	https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/4-Technical-Talk-on-Recent-Trends-in-Thermal-Engineering.pdf

13.	Dr. N. R. Banapurmath, Professor, Head of Centre for Materials Studies, KLE Technological University, Hubli	Technical Talk	https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/5-Technical-Talk-on-Nano-Fluids-for-Radiator-Coolant-and-Engine-Application.pdf
14.	Mr. Rajesh Kumar Maurya and Team, Airport Director, Airport Authority of India, Belagavi Airport, Sambra Belagavi	Career Opportunities	https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/8-Modernization-of-Belagavi-Airport-and-Career-Opportunities.pdf
15.	Mr. Dhondibha Chougale, Hitachi Astemo FIE Private Limited, Pune	Technical Talk	https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/12-Technical-Talk-on-Fuel-Injection-System-and-Engine-Basic.pdf
16.	Mr. S.M. Madiwale, AEE, Civil Engineer, HIdakl Dam, Hidkal	Industry Visit	https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/16-Industry-Visit-at-Hidkal-dam-power-plant-Hidkal.pdf
17.	The Chief Engineer, Sangam Sugar Factory, Hidkal	Industry Visit	https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/17-lndlrstrv-Vrsit-at-Sanuam-sugar-Factorv-Hidkal.pdf
18.	Mr. N.P. Bannibagi, ISDS, Assistant Director, Ministry of Skill Development and Entrepreneurship and Doctorate General of Training" National Skill Training Institute" Government of India.	Technical Talk	https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/18-Technical-Talk-on-Robot-application-in-Automotive-Industry.pdf
19.	Mr. Pralhad Kulkarni, Agile Project management Office Transformation Consultant, Bosch Global Software Technologies, Private Limited Bangalore	Technical Talk	https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/19-Technical-Talk-on-Design-Thinking.pdf
20.	Mr. N. B. Rajeev Rao, Managing Director, Rajeev & Rao Company, Belagavi	Industry Visit	https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/22-Industry-Visit-at-Rajeev-and-Rao-Company-Belagavi.pdf
21.	Quality Assurance Engineers, Divgi Industries Private Limited, Sirsi	Industry Visit	https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/23-Industry-Visit-at-Divgi-Industries-Private-Limited-Sirsi.pdf
22.	Mr. Shankar Jarashandh Wadne, Faculty Member, ACE Academy, Hyderbad	Career opportunities	https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/25-A-Guidance-Program-on-Career-opportunities-after-B.Tech.pdf
23.	Dr. Jagadeesha R Bhat, Assistant professor, Indian Institute of Information Technology Dharwad, Execom member, IEEE North Karnataka Subsection.	Career opportunities	https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/27-Workshop-on-Higher-Education-in-Foreign-Universities-Scope-preparation-and-scholarships.pdf
24.	Regional Telecom Training Center, BSNL, T. K. Layout, Mysuru - 570009	Industrial Visit	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/CSE/Industry-visit-at-RTTC-BSNL-Mysore.pdf
25.	Tech Fortune Pvt. Ltd, Bangalore	Industrial Training	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/CSE/TechFortune.pdf
26.	Synkentrono Software Solutions Private Limited, Bangalore.	Industrial Training	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/CSE/Synkentrono-Software-Solutions.pdf
27.	Microsoft Knowledge Solutions,	Industrial	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-

	Bangalore	Training	Number-of-Collaborative-activities/CSE/Microsoft-Knowledge-Solution.pdf
28.	Compsoft Technologies, Bangalore	Industrial Training	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/CSE/Compusoft-Solutions.pdf
29.	Bionic Engineer, Bangalore	Industrial Training	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/CSE/Bionic-Solutions.pdf
30.	Ashokrao Mane Polytechnic, S.R No-113/A, A/p-Vathar Tarf Vadagaon, Tal- Hatkanangale, Dist.Kolhapur (Maharashtra State)	Resource Person	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/CSE/Resource-Person-MGH-1.pdf
31.	KLE College of Engineering & Technology, Chikodi:591201 Dist:Belagavi, Karnataka,India.	Resource Person	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/CSE/Resource-Person-MGH-2.pdf
32.	Sharad Institute of Technology College of Engineering, Ichalkaranji (Kolhapur) College in Ichalkaranji, Maharashtra	Resource Person	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/CSE/Road-Map-Data-Science.pdf
33.	Shri Sant Gajanan Maharaj College of Engineering, Shegaon-444203, Dist. Buldana (M.S.) India	Resource Person	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/CSE/Guest-Lecture-Python-Data-Scientist.pdf
34.	Patco Transformer Industry, Nipani	Industrial Training	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/EEE/PATCO-Industries-2021-22.pdf
35.	Shree Narasimha Transformer Industries, Chikodi	Industrial Training	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/EEE/ShriNarsimha-Industries-2021-22.pdf
36.	GTTC, Belagavi	Industrial Training	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/EEE/GTTC-2021-22.pdf
37.	Solar Power Plant, Itnal	Industrial Visit	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/EEE/INDUSTRIAL-VISIT-ITNAL.pdf
38.	SDM College of Engineering & Technology, Dharwad.	Delivered invited talk on "Classical Lossless Compression of Synhrophasor Data in Wide Area Monitoring System " in National Conference on Power	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/EEE/Resourceperson-MPY.pdf

		System Engineering (NCPSE - 2021)	
39.	Dr.A.D.Shinde College of Engineering, Badagaon.	Delivered Expert Lecture on the topic "Digital Signal Processing"	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/EEE/Resource-person-MPY-ADCET.pdf
40.	SJPN Trust's Polytechnic, Nidasoshi	Delivered One day Seminar on "Industrial IoT"	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/EEE/Resource-person-MPY-SJPNPLYNDS.pdf
41.	"Industrial visit to Hidakal Dam"	Industrial Visit	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/CV/Hidakal-DAM-Industry-Visit.pdf
42.	Government Tool Room & Training Centre	Internship	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ECE/GTTC-Belagavi-2021.pdf
43.		Internship	
44.	Electrosal Hi Tech Pvt. Ltd., Nipani	Internship	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ECE/ElectrosalHI-TechNPN-2021.pdf
45.	AMSA Embedded Solutions Hubbali.	Internship	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ECE/amsa-internship-certificates.pdf
46.	Creintors Automation Solutions Pvt. Ltd	Internship	
47.	GrayMatter Software Services Pvt. Ltd. 4th floor, West Wing, RMZ Ecoworld SEZ, Outer Ring Road, Bangalore, 560103	Internship	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ECE/GraaymatterBagloreKK-2021.pdf
48.	Maxgen Technology Pvt. Ltd.Near Columbia Asia Hospital, Kharadi, Pune 411014	Internship	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ECE/MaxgentechPune-2021.pdf
49.	BSNL, Belagavi	Internship	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ECE/BSNLBGM-2021.pdf
50.	Caption Micro Solutions and Pvt. Ltd.	Internship	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ECE/CMSITSERBGM-2021.pdf
51.	Kayne's Technologies, Mysore and oddabetta Tea Factory	Industrial tour	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ECE/Industrialvisit-2022.pdf
52.	A. M Shaikh homoeophathic Medical college, Belagavi	Webinar	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ECE/ECE-covid19.pdf
53.	S. J. P. N. Trust's PU Independent college	Webinar	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ECE/ECE-project-mangmt.pdf
54.	VVCE Mysore	Technical Talk	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ECE/ECE-DeepLearng&Application.pdf

55.	Angadi Institute of Technology & Management	Faculty Development Program	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ECE/ECE-RRM-AITM-FDP.pdf
56.	S. J. P. N. Trust's Polytechnic, Nidasoshi	Technical Talk	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ECE/SSI-certificate.pdf
57.	National Skill Training Institute, Govt. of India	Invited talk	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ECE/ECE-Robotics&Automatn-Bannibagi.pdf
58.	Creintors Automation Solutions Pvt. Ltd	Seminar	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/ECE/RoboticsandAutomationNC2021.pdf
59.	Industry visit to Hireryakesht Satakali Sakkaie Kharkhane ,Visit to Shri. Duidundeshwar Math Nidasoshi & Goshala Hargapur and A Talk on "Health Awaieness and COVID-19" precautions,,	Induction Programme	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/First-Year/Field-Visit.pdf

Extension Activities conducted for creation and knowledge transfer

The institute is regularly facilitating to conduct activities on "Universal-Human-Values" and to organize expertise talks on relevant social issues. Students and staff members are participated in various extensive activities such as "Swacchh-Bharat-Abhiyan/Shramadhan", "Engineers-Day", "World Environment-Day", "Teachers-Day", "NSS-Day", "Women's-Day", "Blood–Donation-Camp" etc.

The institute has adopted five villages: 1.Nidasoshi,2.Ammanagi,3.Kesti,4.Borgal5.Hattarwat for holistic development through technological intervention between Gram Panchayat and institute under the Prime Minister flagship program "Unnat-Bharat-Abhiyan". The village-surveys are conducted in the adopted villages by the student and staff volunteers. The Panchayat Development Officers (PDOs) and surveyors/volunteers prepared analysis reports of issues/recommendations/problems/suggestions and are discussed in the UBA meetings. The institute level Subject-Expert-Group members/volunteers (SEGs) prepared 8 project proposals for Technology-Customization and Technology-Development for the adopted villages and are submitted to the SEG-UBA and one of them has been selected for sponsorship of Rs. 1.0 lakh.

The participation of students and staff in the above said extensive activities leads to national interest paradigm shifts and insights such as 1.Enhancement of abilities/competencies to resolve societal issues/problems through technology intervention 2.Increased compassion and humanity towards rural and poor communities 3.Right understanding and adoption of Universal Human Values 4.Professional ethics 5.Proactive philanthropic mindsets 6.Increased Patriotism and oneness culture 7.Cost and environmentally conscious mindsets.

Links:

S.N.	Programme	Link for Activity Report/Document
1	NSS and Red Cross Activities	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/Events-Report-of-NSS-and-Red-Cross-Activities.pdf
2	Online session on Women health and Hygiene by Mrs. Nitya Chaudhary CSR Executive, Unicharm India Chief Guest: Dr. (Smt.) Laximbai Ainapure, Artist Salhalli Dist.: Ramdurga Guest of honor: Smt. Sangeeta Bagewadi, Artist Salahalli Dist. : Ramdurga	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/Womens-day-report-2022.pdf
3	The 3rd Semester Branch Entry and AIMSS Inauguration Function on 28/10/2021 by AIMSS-MED	https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/1-The-3rd-Semester-Branch-Entry-and-AIMSS-Inauguration-Function.pdf
4	Appu Amar on 13/11/ 2021 by AIMSS-MED	https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/3-Appu-Amar.pdf
5	Virtual Training Programme on Nation Building Attitudes & Behaviors Under CSR for Staff from 13/12/2021 To 17/12/2021 by AIMSS-MED	https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/9-Virtual-Training-Programme-on-Nation-Building-Attitudes-and-Behaviors-Under-CSR-for-Staff.pdf
6	Virtual Training Programme on Nation Building Attitudes & Behaviors Under CSR for Students from 20/12/2021 To 24/12/2021 by AIMSS-MED	https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/10-Virtual-Training-Programme-on-Nation-Buiiding-Attitudes-and--Behaviors-Under-CSR-for-Students.pdf

7	Poster presentation on Theme: Energy & Its economics on 20/01/2022 by AIMSS-MED	https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/13-Poster-presentation-on-Theme-Energy-and-Its-economics.pdf
8	ALOHA Farewell Function -2K22 on 22/07/2022 by AIMSS-MED	https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/29-ALOHA-Farewell-Function-2K22.pdf
9	Book Distribution to Bright Students on 22/07/2022 by AIMSS-MED	https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/30-Book-Distribution-to-Bright-Students.pdf
10	Future Tech -2022, A Technical Competitions for Polytechnic Students on 29/07/2022 by AIMSS-MED	https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/31-Future-Tech-2022-A-Technical-Competitions-for-Polytechnic-Students.pdf
11	Career Guidance Awareness program on SAP on26/08/2022 by AIMSS-MED	https://hsit.ac.in/NAAC/C3/2021-22/Activity/ME/32-Carrier-Guidance-Awareness-program-on-SAP.pdf
12	Visit to Shri. Duidundeshwar Math, Niala.oshi & Goshala Hargapur	https://hsit.ac.in/NAAC/C3/2021-22/3.5.1-Number-of-Collaborative-activities/First-Year/Field-Visit.pdf
13	Awareness Programme on "Digital Money Transaction" by CSE Students as a part of AICTE Activity	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/CSE/Digital-Money-Transaction-Nidasoshi.pdf
14	Awareness Programme on "Digital Money Transaction" by CSE Students as a part of AICTE Activity	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/CSE/Digital-Money-Transaction-Kakmari.pdf
15	Awareness Programme on "Digital Money Transaction" by CSE Students as a part of AICTE Activity	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/CSE/Digital-Money-Transaction-Nagnur.pdf
16	Awareness Programme on "Digital Money Transaction" by CSE Students as a part of AICTE Activity	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/CSE/Digital-Money-Transaction-Adi.pdf
17	A inspiration Program on "How to Achieve Good Results in Board Exams" by CSE students as a part of AICTE Activity	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/CSE/How-to-Achieve-Good-Results-in-Board-Exams.pdf
18	Awareness Program on "Rain Water Harvesting" by CSE students as a part of AICTE activity	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/CSE/Rain-Water-Harvesting-Nidasoshi.pdf
19	Awareness Program on "Rain Water Harvesting" by CSE students as a part of AICTE activity	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/CSE/Rain-Water-Harvesting-Sankeshwar.pdf
20	Awareness activity for "Rural Entrepreneurship" by CSE students as a part of AICTE activity	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/CSE/Awareness-activity-for-Rural-Entrepreneurship.pdf
21	"Swachh Bharat Abhiyan" by CSE students as a part of AICTE activity	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/CSE/Swachh-Bharat-Abhiyan-Bus-Stand-Sankeshwar.pdf
22	"Swachh Bharat Abhiyan" by CSE students as a part of AICTE activity	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/CSE/Swachh-Bharat-Abhiyan-Nidasoshi.pdf
23	Awareness Program on "Waste Management" by CSE students as a part of AICTE activity	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/CSE/Waste-Management-Nidasoshi.pdf
24	Helping local schools to achieve good results and enhancing their enrolment in Higher/Technical/ Vocational Education and enhancing their communication skills by EEE students	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/EEE/1.DLK_Commn_T+P.pdf

	as a part of AICTE activity	
25	Creating awareness and facilitating digital money transactions by EEE students as a part of AICTE activity	https://www.hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/EEE/2.GPN_DigiM.pdf
26	Creating awareness and facilitating digital money transactions by EEE students as a part of AICTE activity	https://www.hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/EEE/3.%20GPN_DigiMoney.pdf
27	Prepare and implement a plan to improve health parameters of villagers by EEE students as a part of AICTE activity	https://www.hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/EEE/4.GPN_Health_KaveriChaitraAruna.pdf
28	Creating awareness on waste Management by EEE students as a part of AICTE activity	https://www.hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/EEE/5.GPN_WastMgt_Triveni.pdf
29	Helping local schools to achieve good result and enhance their enrollment in Higher/Technical/ Vocational Education by EEE students as a part of AICTE activity	https://www.hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/EEE/6.School_GoodResult_Koli.pdf
30	Helping local schools to achieve good result and enhance their enrollment in Higher/Technical/ Vocational Education by EEE students as a part of AICTE activity	https://www.hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/EEE/7.School_GoodResult_RenukaG.pdf
31	Helping local schools to achieve good result and enhance their enrollment in Higher/Technical/ Vocational Education by EEE students as a part of AICTE activity	https://www.hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/EEE/8.School_GoodResult_Sanobar.pdf
32	Creating awareness on waste management by EEE students as a part of AICTE activity	https://www.hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/EEE/9.Waste%20mgt%20LaxmiKatate_0002.pdf
33	COVID-19 Vaccination Awerness Programme by EEE students as a part of AICTE activity	https://www.hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/EEE/10.%20GPN_Health%20.pdf
34	Creating awareness and facilitating digital money transactions by EEE students as a part of AICTE activity	https://www.hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/EEE/11%20GPN_DigiM%20.pdf
35	Creating awareness and facilitating digital money transactions by EEE students as a part of AICTE activity	https://www.hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/EEE/12.GPN_MoneyTran1.pdf
36	Creating awareness on rain water harvesting by EEE students as a part of AICTE activity	https://www.hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/EEE/13.GPN_RainWater.pdf
37	Creating awareness on rain water harvesting by EEE students as a part of AICTE activity	https://www.hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/EEE/14.%20GPN_RainWater2.pdf
38	Creating awareness on solid waste management by EEE students as a part of AICTE activity	https://www.hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/EEE/15.%20GPN_WastiMgt_Mannikeri.pdf
39	COVID-19 Vaccination Awareness Programme by ME students as a part of AICTE activity	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/ME/covid-19-vaccination-awareness.pdf
40	Facilitating 100% digitiesed money	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-

	transactions by ME students as a part of AICTE activity	Outreach-Programs/AICTE-Activity/ME/creating-awareness-and-Faciliting-digital-money-transaction.pdf
41	Awareness on Rain water harvesting by ME students as a part of AICTE activity	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/ME/rain-water-harvesting.pdf
42	Helping local High school students by ME students as a part of AICTE activity	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/ME/helping-local-high-school-to-achieve-good-results-and-enhance-their-enrollment-in-higher.pdf
43	Swachh Bharat Abhiyan by ME students as a part of AICTE activity	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/ME/swatchh-bharath-abhiyan.pdf
44	Awareness on waste Management by ME students as a part of AICTE activity	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/ME/creating-awareness-on-waste-management.pdf
45	Awareness Programme on "Rain Water Harvesting" by ECE Students as a part of AICTE activity	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/ECE/Rainwater-harvesting-awareness.pdf
46	Awerness Programme on "Digital Money transaction" by ECE Students as a part of AICTE activities	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/ECE/Digital-money.pdf
47	Motivational Programme to Local School students on "How to improve results" by ECE students as a part of AICTE Programme	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/ECE/Helping-school-Improve-result.pdf
48	Awerness programme on Health Parameters and how to improve health" by ECE students as a part of AICTE programme	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/ECE/Improve-health-parameter.pdf
49	Swachha Bharat Abhiyan Programme by ECE students as a part of AICTE activity	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/ECE/Swach-Bharat.pdf
50	Awareness programme on "Waste Management" by ECE students as a part of AICTE activity	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/ECE/Waste-Management-awareness.pdf
51	Promotion of Technology nearby areas by ECE students as a part of AICTE activity	https://hsit.ac.in/NAAC/C3/2021-22/3.4.3-Extension-and-Outreach-Programs/AICTE-Activity/ECE/Technology-awareness.pdf