

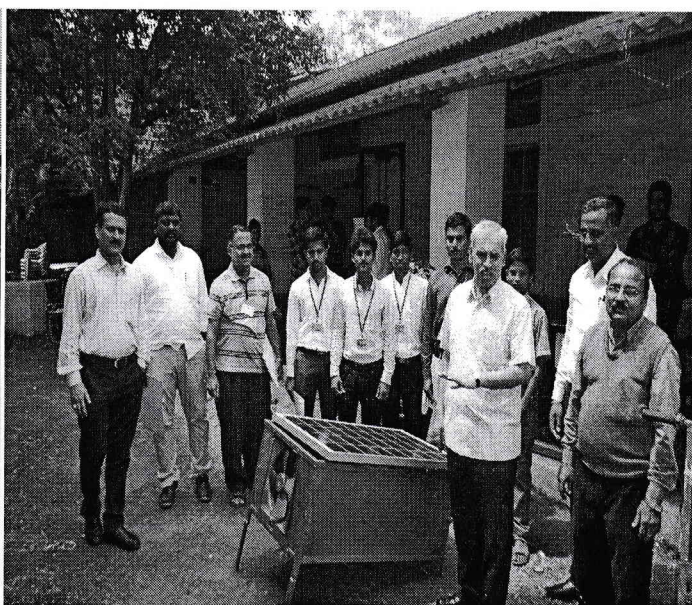


S J P N Trust's  
**Hirasugar Institute of Technology, Nidasoshi**  
*Inculcating Values, Promoting Prosperity*  
 Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU Belagavi.  
**Accredited at 'A' Grade by NAAC**  
**Programmes Accredited by NBA: CSE, ECE, EEE & ME.**

**MED**  
**AIMSS**  
**Mini Anveshana Project Exhibition**  
**2019-20 (ODD)**

## MINI ANVESHANA PROJECT EXHIBITION-2019

Mini Anveshana Project Exhibition 2019 (An International NGO organising Technical Project Exhibitions for bridging the Gap between School Students and Engineering Students) was organised by Department of Mechanical Engineering in collaboration with Agastya International Foundation on 20.09.2019 between 10 AM to 5 PM in the Workshop corridor for School Students and Engineering Students. Dr. Gopalkrishna Kamalapur Professor, EEE Department, SDM College of Engineering, Dharwad, Mr. Bhaskar S. V, Manager Agastya International Foundation, Bangalore and Prof. M I Tanodi, Asst. Professor, HSIT, Nidasoshi, were Jury Members for this event. Dr. Basavaraj M. Shrigiri, Professor and Head, Department of Mechanical Engineering welcomed the gathering, Dr. S C Kamate, Principal, delivered Presidential remarks and Prof M. M Shivashimpi, Asst. Professor, Department of Mechanical Engineering Proposed the vote of thanks. Prof. Jagadeesh A, Asst. Professor, Department of Mechanical Engineering, was the coordinator for the event. Total 73 students have attended the event, out of which 22 were school students and 24 numbers of staff attended this event.

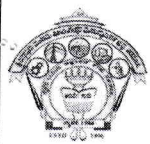


### CO's, PO's and PSO's Correlation:

| CO No. | CO Defined                                                                      | RBT Level | Relevance to POS and PSOs  |
|--------|---------------------------------------------------------------------------------|-----------|----------------------------|
| CO     | Influencing young minds to do research, innovation, invention, and development. | L3,L4,L6  | PO1, to PO12 and PSO1-PSO2 |

*M. M. Shivashimpi*  
**AIMSS Coordinator**  
**(Prof. M. M. Shivashimpi)**

*B. M. Shrigiri*  
**HOD**  
**(Dr. B. M. Shrigiri)**  
**HOD**  
**Mechanical Engg.**  
**HIT, Nidasoshi**



S J P N Trust's

**Hirasugar Institute of Technology, Nidasoshi***Inculcating Values. Promoting Prosperity*

Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU Belagavi.

**Accredited at 'A' Grade by NAAC****Programmes Accredited by NBA: CSE, ECE, EEE & ME.****Mech Dept.**

AIMSS

**Mini Anveshana Project  
Exhibition****Odd Sem (2019-20)**

Date: 04-09- 2019

**NOTICE**

Mechanical Engineering Department is conducting, Department Level “**Mini Anveshana Project Exhibition**”, in collaboration with High School and Engineering students on 20<sup>th</sup> September 2019 at 10.30 AM in the workshop corridor. Hence, all the students of Mechanical Engineering Department are hereby informed to enroll your group including guide name with Mr. M. B. Badiger, Instructor, Mechanical Engineering Department on or before 18<sup>th</sup> September 2019.

**Important Notes:**

- Projects are related to Mechanical Engineering Domain.
- Projects are innovative and creative type.
- The maximum four numbers of student must be in one group.
- The participants must present their project model with jury member during exhibition
- Jury member of exhibition will select best three projects.
- The selected projects are award with cash prize and certificates.

**Circular To:**

| Semester | Division | Signature                |
|----------|----------|--------------------------|
| III      | A        |                          |
| III      | B        | <i>A</i>                 |
| V        | A        |                          |
| V        | B        | <i>M. B. Badiger</i>     |
| VII      | A        | <i>Prof. Jagadeesh A</i> |
| VII      | B        | <i>Prof. Jagadeesh A</i> |

*M. B. Badiger*  
AIMSS Coordinator  
(Prof. M.M. Shivashimpi)

*A*  
Student Coordinator  
(Prof. Jagadeesh A)

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





Date: 18-09- 2019

## NOTICE

Mechanical Engineering Department is conducting, Department Level “**Mini Anveshana Project Exhibition**”, in collaboration with High School and Engineering students on 20<sup>th</sup> September 2019 at 10.30 AM in the workshop corridor. Hence, all the staff and students of Mechanical Engineering Department are cordially invite and to attend the project exhibition and make the event grand successful.

Further all the staff and students are hereby informed to attend the valedictory function of project exhibition at 04.00 PM in the mechanical seminar hall.

**Note: All the classes and labs run as per time table.**

### Circular To:

| Class | III ( A ) | III ( B ) | V ( A ) | V ( B ) | VII ( A ) | VII ( B ) |
|-------|-----------|-----------|---------|---------|-----------|-----------|
| Sign. |           |           |         |         |           |           |

BMS

SAA

GAN

SNT

DNI

RKC

KMA

GVC

SRK

MSF

SAG

MMS

TSV

MAH

AMB

SBA

NMU

MRI

MIT

KGA

JSA

BMD

RVN

VGB

ABS

RMH

RBK

SCJ

SRN

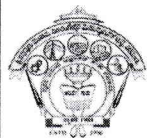
MBB

MSK

AIMSS Coordinator  
(Prof. M.M. Shivashimpi)

Student Coordinator  
(Prof. Jagadeesh A)

HOD  
Mechanical Engg.  
HIT, Nidasoshi



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

**MED**  
**AIMSS**  
**Mini Anveshana**  
**Project Exhibition**  
**2019-20 (ODD)**

Date: 20-09-2019

## : Mini Anveshana Project Exhibition:

### Agenda:

| Sl. No. | Particulars                                                   | Name                                          | Time                    | Duration   |
|---------|---------------------------------------------------------------|-----------------------------------------------|-------------------------|------------|
| 1       | INVOCATION SONG                                               | Mr. AKHILESH DRAVID                           | 03.30 PM<br>To 03.35 PM | 05 minutes |
| 2       | WELCOME SPEECH                                                | Dr. B M SHRIGIRI                              | 03.35 PM<br>To 03.40 PM | 05 minutes |
| 3       | FLOWER PRESENTATION                                           | STUDENTS                                      | 03.40 PM<br>To 03.45 PM | 05 minutes |
| 6       | INTRODUCTION OF CHIEF GUEST                                   | PROF. B M DODAMANI                            | 03.45 PM<br>To 03.55 PM | 10 minutes |
| 7       | FEEDBACK FROM PARTICIPANTS                                    | PARTICIPANTS                                  | 03.55 PM<br>To 04.05 PM | 10 minutes |
| 8       | ADDRESS BY CHIEF GUESTS                                       | Dr. GOPALKRISHNA KAMALAPUR<br>MR. BHASKAR S V | 04.05 PM<br>To 04.20 PM | 15 minutes |
| 9       | FELICITATION TO CHIEF GUEST                                   | PRINCIPAL                                     | 04.20 PM<br>To 04.25 PM | 05 minutes |
| 10      | PRIZE DISTRIBUTION & PEN DISTRIBUTION TO HIGH SCHOOL STUDENTS | GUESTS AND PRINCIPAL                          | 04.25 PM<br>To 04.35 PM | 10 Minutes |
| 11      | PRESIDENTIAL REMARK BY PRINCIPAL                              | Dr. S C KAMATE                                | 04.35 PM<br>To 04.45 PM | 10 minutes |
| 12      | VOTE OF THANKS                                                | PROF. M M SHIVASHIMPI                         | 04.45 PM<br>To 04.50 PM | 05 minutes |

  
 AIMSS Coordinator  
 (Prof. M. M. Shivashimpi)

  
 Student Coordinator  
 (Prof. Jagadeesh A)

  
 HOD  
 Dr. B M Shrigiri

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

Nidasoshi, Taq: Hukkeri, Dist: Belgaum, Karnataka - 591 236

Phone:+91-8333-278887. Fax:278886. Web:www.hsit.ac.in Mail:principal@hsit.ac.in

Page: 1



19106/ 728/19-20

18/09/19

To,  
The Headmaster  
SJD High School Nidasoshi

Dear Sir,

We are pleased to inform you that Mechanical Engineering Department in association with Agastya International Foundation is organizing a one day Project Exhibition Competition "Mini-Anveshana" for high school level Students and Engineering students on 20<sup>th</sup> September 2019. This technical fest provides a platform for students to exhibit their technical knowledge and skills so as to prepare them to face the challenges of competitive word.

You are requested to kindly encourage your students to participate and make the event grand success.

Thanking You,

Dr. S. C. Kamate  
18/09/19

  
Dr. S. C. Kamate  
Principal

|                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                      |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p style="text-align: center;">S J P N Trust's<br/> <b>Hirasugar Institute of Technology, Nidasoshi</b><br/> <i>Inculcating Values, Promoting Prosperity</i><br/>         Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU Belagavi.<br/> <b>Accredited at 'A' Grade by NAAC</b><br/> <b>Programmes Accredited by NBA: CSE, ECE, EEE &amp; ME.</b></p> | <p style="text-align: center;"><b>Mech Dept.</b><br/>         AIMSS<br/> <b>Mini Anveshana Project Exhibition</b><br/>         Odd Sem (2019-20)</p> |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|

Date: 18/09/2019

## Invitation Letter

To,

Mr. Mahantesh Tanodi,  
 Assistant Professor  
 Mechanical Engineering Department  
 HSIT, Nidasoshi

Subject: Invitation for the jury member on "Mini Anveshana Project Exhibition" –Reg.

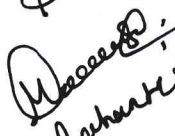
Dear Sir,

We, on behalf of Mechanical Engineering Department, heartily invite you to take part as a jury member for "Mini Anveshana Project Exhibition" on 20-09-2019 at 10.30 am for Mechanical Engineering students. We expect your valuable suggestions in this regard. I request your kind self to accept our invitation and motivate our students.

Thanking you,

With regards,

  
 Dr. Basavaraj M Shrigiri  
 Professor and H.O.D,  
 Mechanical Engineering Department,  
 Hirasugar Institute of Technology, Nidasoshi.  
 Mobile: +919741483339

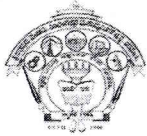
*Received & accepted*  
  
 (Mahantesh Tanodi)





### REGISTERED STUDENTS

| Group No. | Name of Hobby/Mini Project                                                     | Guide Name                             | USN        | Name of students               | Sem. | Div | Signature |
|-----------|--------------------------------------------------------------------------------|----------------------------------------|------------|--------------------------------|------|-----|-----------|
| 1.        | Cooling of solar photovoltaic cells by passive cooling system using PCM method | Dr. S A Alur                           | 2HN16ME027 | ILIAS I NADAF, Basavaraj Halli | VII  | A   |           |
|           |                                                                                |                                        | 2HN17ME423 | ROHAN A. KOOGA (2HN17ME405)    | VII  | A   |           |
|           |                                                                                |                                        | 2HN16ME013 | BASAVARAJ A. KAKANAKI          | VII  | A   |           |
| 2.        | Advanced bike                                                                  | Prof.M.A Hipparagi                     | 2HN16ME060 | ROHIT HALLURI                  | VII  | B   |           |
|           |                                                                                |                                        | 2HN16ME062 | SAGAR B. MULAKURI              | VII  | B   |           |
|           |                                                                                |                                        | 2HN17ME414 | KUMAR V BAAD                   | VII  | B   |           |
|           |                                                                                |                                        | 2HN15ME103 | VINAYAK CHINCHEWADI            | VII  | B   |           |
| 3.        | Conversion of plastic into a form of oil                                       | Prof.G V Chiniwalar                    | 2HN16ME004 | AJAY M NINGANURI               | VII  | A   |           |
|           |                                                                                |                                        | 2HN16ME024 | GANESH K S                     | VII  | A   |           |
|           |                                                                                |                                        | 2HN16ME003 | AJAY I TERANI                  | VII  | A   |           |
|           |                                                                                |                                        | 2HN16ME046 | PATIL KAUSTUBH S.              | VII  | A   |           |
| 4.        | Experimental investigation of aluminium alloy through surface treatment        | Prof.G V Chiniwalar                    | 2HN16ME041 | OMKAR CHAVAN                   | VII  | A   |           |
|           |                                                                                |                                        | 2HN16ME025 | GURUNATH NEELAKANTH            | VII  | A   |           |
|           |                                                                                |                                        | 2HN17ME432 | SUMEET KUBASAD                 | VII  | A   |           |
|           |                                                                                |                                        | 2HN17ME419 | OMKAR D. PATIL                 | VII  | A   |           |
| 5.        | Design and fabrication of fitness equipment for power generation               | Dr. S. C. Kamate & Prof.Jagadeesh S. A | 2HN18ME039 | SIDDHARTH V. PATIL             | III  | B   |           |
|           |                                                                                |                                        | 2HN18ME019 | NAVEENKUMAR GANACHARI          | III  | A   |           |
|           |                                                                                |                                        | 2HN18ME011 | BABASABH BAGASHAHI             | III  | A   |           |
| 6.        | Solar lawn cutting with fertilizer sprayer                                     | Prof.S N Topannavar                    | 2HN16ME065 | SAMMED GANE                    | VII  | B   |           |
|           |                                                                                |                                        | 2HN16ME076 | SIDAMALLAPPA HATTI             | VII  | B   |           |
|           |                                                                                |                                        | 2HN16ME066 | SANDEEP V.TELI                 | VII  | B   |           |
|           |                                                                                |                                        | 2HN17ME425 | SACHIN R PATTAR                | VII  | B   |           |
| 7.        | Multi degree of freedom robotic arm                                            | Prof.S A Goudadi                       | 2HN16ME080 | SUNEEL F. MAVINAGIDAD          | VII  | B   |           |
|           |                                                                                |                                        | 2HN16ME073 | SHRISHAIL MATHAPATI            | VII  | B   |           |
|           |                                                                                |                                        | 2HN17ME429 | SHAMBULINGAYYA S. ADAHALLIMATH | VII  | B   |           |
|           |                                                                                |                                        | 2HN17ME433 | VINOD R NAIK                   | VII  | B   |           |
| 8.        | Electric assisted air propelled bicycle                                        | Prof.A M Biradar                       | 2HN16ME043 | PARAMANAND UPPAR               | VII  | A   |           |
|           |                                                                                |                                        | 2HN16ME034 | MAHANTESH KARADI               | VII  | A   |           |

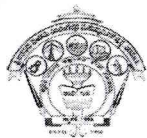


**S J P N Trust's**  
**Hirasugar Institute of Technology, Nidasoshi**  
*Inculcating Values, Promoting Prosperity*  
 Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU Belagavi.  
**Accredited at 'A' Grade by NAAC**  
**Programmes Accredited by NBA: CSE, ECE, EEE & ME.**

**Mech Dept.**  
 AIMSS  
 Mini Anveshana Project Exhibition  
 Odd Sem (2019-20)

|     |                                                                                                            |                       |            |                             |     |   |                |
|-----|------------------------------------------------------------------------------------------------------------|-----------------------|------------|-----------------------------|-----|---|----------------|
|     |                                                                                                            |                       | 2HN17ME427 | SATISH F HOOLI              | VII | A | Special        |
|     |                                                                                                            |                       | 2HN16ME032 | L AMARESH                   | VII | A | Amaresh        |
| 9.  | Design and fabrication of chair less chair                                                                 | Prof.S B Awade        | 2HN16ME030 | KASHINATH CHOUGALA          | VII | A | Chougala       |
|     |                                                                                                            |                       | 2HN16ME033 | MAHANTESH MIRAJE            | VII | A | Miraje         |
|     |                                                                                                            |                       | 2HN17ME412 | KASHAGOUDA S. PATIL         | VII | A | Patil          |
|     |                                                                                                            |                       | 2HN16ME012 | ASHUTOSH M ANDANI           | VII | A | Andani         |
| 10. | PCG using pedal power                                                                                      | Prof.Mahantesh Tanodi | 2HN16ME038 | NEHAL MAKANDAR              | VII | A | Makandar       |
|     |                                                                                                            |                       | 2HN16ME044 | PARASHARAM METRI            | VII | A | Metri          |
|     |                                                                                                            |                       | 2HN16ME037 | MANOJ R. PATIL              | VII | A | Patil          |
|     |                                                                                                            |                       | 2HN15ME038 | MAHANTESH BAAD              | VII | A | Maad           |
| 11. | Design and development of seed collecting and bagging machine                                              | Prof.Mahantesh Tanodi | 2HN16ME079 | SOURABH SALI                | VII | B | Sali           |
|     |                                                                                                            |                       | 2HN16ME052 | PRATIK DEEPAK PATIL         | VII | B | Patil          |
|     |                                                                                                            |                       | 2HN15ME082 | SATYANARAYAN BADIGER        | VII | B | Badiger        |
| 12. | Versatile planting machine                                                                                 | Prof. Mohan Futhane   | 2HN16ME074 | SHRISHAIL R. BADIGER        | VII | B | Badiger        |
|     |                                                                                                            |                       | 2HN16ME063 | SAGAR M HAKKI               | VII | B | Hakki          |
|     |                                                                                                            |                       | 2HN17ME426 | SADDAM S DADIWALE           | VII | B | Dadiwale       |
| 13. | Electricity generation by footsteps                                                                        | Prof.T S Vandali      | 2HN16ME023 | DHARMADHIKARI NACHIKET N.   | VII | A | Nachiket       |
|     |                                                                                                            |                       | 2HN16ME028 | IRAPPA KARAGANVI            | VII | A | Karaganvi      |
|     |                                                                                                            |                       | 2HN16ME008 | AKSHAYKUMAR PATIL           | VII | A | Patil          |
|     |                                                                                                            |                       | 2HN15ME029 | KIRAN C PUJERI              | VII | A | Pujeri         |
| 14. | Electrically operated waste collecting machine from stagnant water                                         | Prof.N M Ukkali       | 2HN16ME087 | VAIBHAV SHINDE              | VII | B | Shinde         |
|     |                                                                                                            |                       | 2HN16ME070 | SHIVARAJ MIRAJE             | VII | B | Miraje         |
|     |                                                                                                            |                       | 2HN15ME094 | UMESH S ADI                 | VII | B | Adi            |
|     |                                                                                                            |                       | 2HN15ME111 | VISHWANATH MANE             | VII | B | Mane           |
| 15. | Fabrication of low cost high efficient composite using garment wastes for indoor and outdoor applications. | Prof.S R Kulkarni     | 2HN16ME039 | NINGANNA KARAGANWAKAR       | VII | A | Karaganwakar   |
|     |                                                                                                            |                       | 2HN16ME035 | MALLIKARJUN A. VAJJARAMATTI | VII | A | Vajjaramatti   |
|     |                                                                                                            |                       | 2HN17ME421 | PUNIT CHIKKANAGOUDAR        | VII | A | Chikkanagoudar |
| 16. | Design and fabrication of composite tile maker multi functional machine by recycling plastic               | Prof.M R Ingalagi     | 2HN16ME067 | SANGAMESH PUJER             | VII | B | Pujer          |
|     |                                                                                                            |                       | 2HN17ME408 | DARSAN S PATIL              | VII | B | Patil          |
|     |                                                                                                            |                       | 2HN16ME435 | VINAYAK BAGAR               | VII | B | Bagar          |
|     |                                                                                                            |                       | 2HN17ME424 | ROHIT VALASHETTI            | VII | B | Valashetti     |
| 17. | Effect of IOP, IT and EGR on the performance and emission of DI diesel                                     | Pro. B M Dodamani     | 2HN17ME428 | SHAMANESH S. DABBAGOL       | VII | A | Dabbagol       |
|     |                                                                                                            |                       | 2HN16ME031 | KEMPANNA V. MADAWALI        | VII | A | Kummadawali    |





S J P N Trust's

**Hirasugar Institute of Technology, Nidasoshi***Inculcating Values, Promoting Prosperity*

Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU Belagavi.

**Accredited at 'A' Grade by NAAC****Programmes Accredited by NBA: CSE, ECE, EEE & ME.**

Mech Dept.

AIMSS

Mini Anveshana Project Exhibition

Odd Sem (2019-20)

|     |                                            |                   |            |                            |     |   |                   |
|-----|--------------------------------------------|-------------------|------------|----------------------------|-----|---|-------------------|
|     | engine fueled with TOME Biodiesel.         |                   | 2HN16ME010 | AMUL SURESH DESAI          | VII | A | <i>pro</i>        |
|     |                                            |                   | 2HN17ME409 | FAKIRAPPA MARADI           | VII | A | <i>faakirappa</i> |
|     |                                            |                   | 2HN17ME409 | FAKIRAPPA Y. MARADI        | VII | A | <i>faakirappa</i> |
| 18. | Plant E Technology                         | Prof. Jagadeesh A | 2HN16ME085 | UMESH G. HEBBALE           | VII | B | <i>umesh</i>      |
|     |                                            |                   | 2HN17ME401 | AKHILESH A. DRAVID ✓       | VII | A | <i>akhi</i>       |
|     |                                            |                   | 2HN16ME093 | VISHAL PATIL               | VII | B | <i>vishal</i>     |
|     |                                            |                   | 2HN17ME417 | MANJUNATH KHOT             | VII | A | <i>manjunath</i>  |
| 19. | Automatic Cloth Bag Making Machine         | Prof. Jagadeesh A | 2HN17ME034 | PUNITKUMAR PUNDALIK NAVI ✓ | V   | B | <i>punit</i>      |
|     |                                            |                   | 2HN18EE001 | AKHILESH PATIL (EEED)      | -   | - | <i>akhi</i>       |
| 20. | <del>Water Engine</del> Exhaust Gas Filter | Prof. Jagadeesh A | 2HN16ME410 | KIRAN MAGDUM               | VII | B | <i>kiran</i>      |
|     |                                            |                   | 2HN17ME029 | OMKAR BALEKUNDRI           | III | A | <i>omkar</i>      |

AIMSS Coordinator

(Prof. M.M. Shivashimpi)

Students Coordinator

(Prof. Jagadeesh A)

HOD

Mechanical Engg.  
HIT, Nidasoshi



# **MINI ANVESHANA PROJECT EXHIBITION, HSIT, NIDASOSHI-20-09-2019**

| Group No. | Name of Hobby/Mini Project                                                     | Team Leader Name      | Sem. | Div | Project Status | Innovation or Barrow | Feasibility | Teachability | Theory | Total |
|-----------|--------------------------------------------------------------------------------|-----------------------|------|-----|----------------|----------------------|-------------|--------------|--------|-------|
| 1.        | Cooling of solar photovoltaic cells by passive cooling system using PCM method | ILIJAS I NADAF        | VII  | A   | 4              | 4                    | 04          | 03           | 03     | 18    |
| 2.        | Advanced bike                                                                  | ROHIT HALLURI         | VII  | B   | 3              | 3                    | 03          | 03           | 03     | 15    |
| 3.        | Conversion of plastic into a form of oil                                       | AJAY M NINGANURI      | VII  | A   | 4              | 3                    | 3           | 04           | 05     | 19    |
| 4.        | Experimental investigation of aluminum alloy through surface treatment         | OMKAR CHAVAN          | VII  | A   | 03             | 03                   | 03          | 03           | 03     | 15    |
| 5.        | Design and fabrication of fitness equipment for power generation               | SIDDHARTH V. PATIL    | III  | B   | 4              | 4                    | 03          | 03           | 03     | 17    |
| 6.        | Solar lawn cutting with fertilizer sprayer                                     | SAMMED GANE           | VII  | B   | 04             | 03                   | 03          | 03           | 03     | 16    |
| 7.        | Multi degree of freedom robotic arm                                            | SUNEEL F. MAVINAGIDAD | VII  | B   | 03             | 03                   | 03          | 04           | 03     | 16    |
| 8.        | Electric assisted air propelled bicycle                                        | PARAMANAND UPPAR      | VII  | A   | 06             | 05                   | 06          | 04           | 04     | 25    |
| 9.        | Design and fabrication of chair less chair                                     | KASHINATH CHOUGALA    | VII  | A   | 06             | 05                   | 06          | 04           | 04     | 25    |
| 10.       | PCG using pedal power                                                          | NEHAL MAKANDAR        | VII  | A   | 05             | 05                   | 05          | 04           | 03     | 22    |
| 11.       | Design and development of seed collecting and bagging machine                  | SOURABH SALI          | VII  | B   | 05             | 04                   | 06          | 04           | 04     | 23    |
| 12.       | Versatile planting                                                             | SHRISHAIL R. BADIGER  | VII  | B   | 05             | 04                   | 04          | 04           | 04     | 21    |

Nidasoshi, Taq: Hukkeri, Dist: Belgaum, Karnataka - 591 236

Phone: +91-8333-278867, Fax: 278866, Web: [www.hsit.ac.in](http://www.hsit.ac.in) Mail: [principal@hsit.ac.in](mailto:principal@hsit.ac.in)

Page: 1



|     |                                                                                                            |                           |     |   |   |   |   |   |   |    |
|-----|------------------------------------------------------------------------------------------------------------|---------------------------|-----|---|---|---|---|---|---|----|
| 13. | Electricity generation by footsteps                                                                        | DHARMADHIKARI NACHIKET N. | VII | A | 6 | 6 | 6 | 6 | 8 | 32 |
| 14. | Electrically operated waste collecting machine from stagnant water                                         | VAIBHAV SHINDE            | VII | B | 8 | 8 | 8 | 8 | 6 | 38 |
| 15. | Fabrication of low cost high efficient composite using garment wastes for indoor and outdoor applications. | NINGANNA KARAGANWAKAR     | VII | A | 7 | 8 | 8 | 8 | 8 | 39 |
| 16. | Design and fabrication of composite tile maker multi functional machine by recycling plastic               | SANGAMESH PUJER           | VII | B | 8 | 8 | 8 | 8 | 8 | 40 |
| 17. | Effect of IOP, IT and EGR on the performance and emission of DI diesel engine fueled with TOME Biodiesel.  | SHAMANESH S. DABBAGOL     | VII | A | 7 | 7 | 6 | 6 | 6 | 32 |
| 18. | Plant E Technology                                                                                         | AKHILESH A. DRAVID        | VII | A | 9 | 9 | 8 | 8 | 8 | 42 |
| 19. | Automatic Cloth Bag Making Machine                                                                         | PUNITKUMAR PUNDALIK NAVI  | V   | B | 8 | 7 | 7 | 7 | 7 | 36 |
| 20. | Water Engine & Exhaust Gas Filter                                                                          | KIRAN MAGDUM              | VII | B | 9 | 5 | 6 | 6 | 6 | 28 |

*Prof. Mahantesh Tink*

→ II<sup>nd</sup> prize  
 → I<sup>st</sup> prize



# **MINI ANVESHANA PROJECT EXHIBITION, HSIT, NIDASOSHI-20-09-2019**

| Group No. | Name of Hobby/Mini Project                                                     | Team Leader Name      | Sem. | Div | Project Status | Innovation or Barrow | Feasibility | Teachability | Theory | Total |
|-----------|--------------------------------------------------------------------------------|-----------------------|------|-----|----------------|----------------------|-------------|--------------|--------|-------|
| 1.        | Cooling of solar photovoltaic cells by passive cooling system using PCM method | ILIJAS I NADAF        | VII  | A   |                |                      |             |              |        | 22    |
| 2.        | Advanced bike                                                                  | ROHIT HALLURI         | VII  | B   |                |                      |             |              |        | 23    |
| 3.        | Conversion of plastic into a form of oil                                       | AJAY M NINGANURI      | VII  | A   |                |                      |             |              |        | 24    |
| 4.        | Experimental investigation of aluminum alloy through surface treatment         | OMKAR CHAVAN          | VII  | A   |                |                      |             |              |        | 24    |
| 5.        | Design and fabrication of fitness equipment for power generation               | SIDDHARTH V. PATIL    | III  | B   |                |                      |             |              |        | 20    |
| 6.        | Solar lawn cutting with fertilizer sprayer                                     | SAMMED GANE           | VII  | B   |                |                      |             |              |        | 27    |
| 7.        | Multi degree of freedom robotic arm                                            | SUNEEL F. MAVINAGIDAD | VII  | B   |                |                      |             |              |        | 30    |
| 8.        | Electric assisted air propelled bicycle                                        | PARAMANAND UPPAR      | VII  | A   |                |                      |             |              |        | 18    |
| 9.        | Design and fabrication of chair less chair                                     | KASHINATH CHOUGALA    | VII  | A   |                |                      |             |              |        | 20    |
| 10.       | PCG using pedal power                                                          | NEHAL MAKANDAR        | VII  | A   |                |                      |             |              |        | 20    |
| 11.       | Design and development of seed collecting and bagging machine                  | SOURABH SALI          | VII  | B   |                |                      |             |              |        | 35    |
| 12.       | Versatile planting                                                             | SHRISHAIL R. BADIGER  | VII  | B   |                |                      |             |              |        | 32    |

**Prize**







# **MINI ANVESHANA PROJECT EXHIBITION, HSIT, NIDASOSHI-20-09-2019**

| Group No. | Name of Hobby/Mini Project                                                     | Team Leader Name      | Sem. | Div. | Project Status | Innovation or Burrow | Feasibility | Teachability | Theory | Total |
|-----------|--------------------------------------------------------------------------------|-----------------------|------|------|----------------|----------------------|-------------|--------------|--------|-------|
| 1         | Cooling of solar photovoltaic cells by passive cooling system using PCM method | ILIJAS INADAF         | VII  | A    | 6              | 8                    | 6           | 7            | 8      | 50    |
| 2         | Advanced bike                                                                  | ROHIT HALLURI         | VII  | B    | 6              | 6                    | 8           | 11           | 6      | 30    |
| 3         | Conversion of plastic into a form of oil                                       | AJAY M NINGANURI      | VII  | A    | 7              | 7                    | 6           | 6            | 6      | 32    |
| 4         | Experimental investigation of aluminum alloy through surface treatment         | OMKAR CHAVAN          | VII  | A    | 5              | 5                    | 5           | 5            | 5      | 30    |
| 5         | Design and fabrication of fitness equipment for power generation               | SIDDHARTH V. PATIL    | III  | B    | 8              | 8                    | 8           | 8            | 6      | 38    |
| 6         | Solar lawn cutting with fertilizer sprayer                                     | SAMMED GANE           | VII  | B    | 5              | 5                    | 5           | 5            | 5      | 30    |
| 7         | Multi degree of freedom robotic arm                                            | SUNEEL F. MAVINAGIDAD | VII  | B    | 7              | 7                    | 7           | 7            | 7      | 35    |
| 8         | Electric assisted air propelled bicycle                                        | PARAMANAND UPPAR      | VII  | A    | 6              | 6                    | 6           | 6            | 4      | 28    |
| 9         | Design and fabrication of chair less chair                                     | KASHINATH CHOUGALA    | VII  | A    | 8              | 6                    | 6           | 8            | 8      | 36    |
| 10        | PCG using pedal power                                                          | NEHAL MAKANDAR        | VII  | A    | 7              | 7                    | 6           | 7            | 6      | 33    |
| 11        | Design and development of seed collecting and bagging machine                  | SOURABH SALI          | VII  | B    | 8              | 8                    | 8           | 8            | 8      | 40    |
| 12        | Versatile planting                                                             | SHRISHAIL R. BADIGER  | VII  | B    | 6              | 6                    | 6           | 8            | 8      | 34    |

III Prize









S J P N Trust's

**Hirasugar Institute of Technology, Nidasoshi***Inculcating Values, Promoting Prosperity*

Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU Belagavi.

**Accredited at 'A' Grade by NAAC****Programmes Accredited by NBA: CSE, ECE, EEE & ME.****Mech Dept.**

AIMSS

**Mini Anveshana Project  
Exhibition****Odd Sem (2019-20)****RESULT SHEET**

| Sl. No. | Name of Hobby/Mini Project                                    | Name of students         | USN        | Semester & Div. | Guide Name         | Prize  |
|---------|---------------------------------------------------------------|--------------------------|------------|-----------------|--------------------|--------|
| 1       | Automatic Cloth Bag Making Machine                            | Mr. Punitkumar P. Navi   | 2HN17ME034 | V (B)           | Prof. Jagadeesh A  | First  |
|         |                                                               | Mr. Akhilesh Patil       | 2HN18EE001 | V               |                    |        |
| 2       | Plant E Technology                                            | Mr. Umesh G. Hebbale     | 2HN16ME085 | VII (B)         | Prof. Jagadeesh A  | Second |
|         |                                                               | Mr. Akhilesh A. Dravid   | 2HN17ME401 | VII (A)         |                    |        |
|         |                                                               | Mr. Vishal Patil         | 2HN16ME093 | VII (B)         |                    |        |
|         |                                                               | Mr. Manjunath Khot       | 2HN17ME417 | VII (A)         |                    |        |
| 3       | Design and Development of Seed Collecting and Bagging Machine | Mr. Sourabh Sali         | 2HN16ME079 | VII (B)         | Prof. M. I. Tanodi | Third  |
|         |                                                               | Mr. Prateek D. Patil     | 2HN16ME052 | VII (B)         |                    |        |
|         |                                                               | Mr. Satyanarayan Badiger | 2HN15ME082 | VII (B)         |                    |        |

*M. M. Shivashimpi*  
AIMSS Coordinator  
(Prof. M.M. Shivashimpi)

*J. Jagadeesh A*  
Student Coordinator  
(Prof. Jagadeesh A)

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





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

|                  |
|------------------|
| ACADEMIC         |
| MED              |
| Staff Attendance |
| 2019-20(ODD)     |

The following staff members are attended the "MINI ANVESHANA PROJECT EXHIBITION" on 20<sup>th</sup> September 2019 at 3.30PM in Mechanical Seminar Hall.

Date 20-09-2019

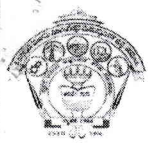
| Sl.No. | Name of Staff          | Signature |
|--------|------------------------|-----------|
| 1      | Dr. B.M. Shrigiri      |           |
| 2      | Dr. S. A. Alur         |           |
| 3      | Dr. S.N. Topannavar    |           |
| 4      | Prof. D. N. Inamdar    |           |
| 5      | Prof. K. M. Akkoli     |           |
| 6      | Prof. R. Chitgopkar    |           |
| 7      | Prof. G. A. Naik       |           |
| 8      | Prof. G. V. Chiniwalar |           |
| 9      | Prof. M. S. Futane     |           |
| 10     | Prof. T. S. Vandali    |           |
| 11     | Prof. S. A. Goudadi    |           |
| 12     | Prof. S. R. Kulkarni   |           |
| 13     | Prof. M.M. Shivashimpi |           |
| 14     | Prof. M. A. Hipparagi  |           |
| 15     | Prof. A. M. Biradar    |           |
| 16     | Prof. S.B. Awade       |           |
| 17     | Prof. N. M. Ukkali     |           |
| 18     | Prof. K. G. Ambli      |           |
| 19     | Prof. M. R. Ingalagi   |           |
| 20     | Prof. Mahantesh Tanodi |           |
| 21     | Prof. J. S. Alkur      |           |
| 22     | Prof. R. V. Nyamagoud  |           |
| 23     | Prof. B. M. Dodamani   |           |
| 24     | Mr. V.G. Badiger       |           |
| 25     | Mr. A. B. Sankeshwari  |           |
| 26     | Mr. R. M. Hunachyali   |           |
| 27     | Mr. R.B. Kumbar        |           |
| 28     | Mr. S. C. Jotawar      |           |
| 29     | Mr. S.R. Nakade        |           |
| 30     | Mr. M. B. Badiger      |           |
| 31     | Mr. M. S. Kurani       |           |

AIMSS Coordinator  
(Prof. M.M. Shivashimpi)

H.O.D  
(Dr. B.M. Shrigiri)

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





Date: 20-09- 2019

**STUDENTS ATTENDANCE OF MINI ANVESHANA PROJECT EXHIBITION**

| Sl. No. | Name of Student        | Name of Organization         | Signature     |
|---------|------------------------|------------------------------|---------------|
| 1.      | Basavaraj A. Kakanke   | MED HSIT Nidasoshi           | Bak           |
| 2.      | Basavaraj. Halli       | MED HSIT Nidasoshi           | Halli         |
| 3.      | Rohan. A. Kogge        | MED HSIT Nidasoshi           | Rohang        |
| 4.      | Ilyas Nade             | MED HSIT Nidasoshi           | Nade          |
| 5.      | Pragwal Bhosale        | S.J.D High school Nidasoshi  | P.Bhosale     |
| 6.      | Vinayak Khande         | S.J.D High school Nidasoshi  | V.Khande      |
| 7.      | Sandeep Jeli           | MED HSIT Nidasoshi           | S.Jeli        |
| 8.      | Sachin. R. Patkar      | MED HSIT Nidasoshi           | S.Patkar      |
| 9.      | Samuel A. Ganu         | MED HSIT Nidasoshi           | S.Ganu        |
| 10.     | Sidamallappa. D. Hatti | HIT Nidasoshi                | S.Hatti       |
| 11.     | Hasansab. Yargatti     | HIT Nidasoshi                | H.Yargatti    |
| 12.     | Babasab. H. Bageshale  | HIT Nidasoshi                | B.H.Bageshale |
| 13.     | Naveenkumar. S. G      | HIT Nidasoshi                | N.S.G         |
| 14.     | Siddhar. S. Dhangre    | S.J.D. high school Nidasoshi | S.S.Dhangre   |
| 15.     | Sidhasth. Patil        | HIT Nidasoshi                | S.Patil       |
| 16.     | Sagar. B. Mulakuri     | HIT Nidasoshi                | S.Mulakuri    |
| 17.     | Kumar. V. Baad         | HIT Nidasoshi                | K.Baad        |
| 18.     | Vinayak B. Chinchewadi | HIT Nidasoshi                | V.Chinchewadi |
| 19.     | Rohit S. Halluri       | HIT Nidasoshi                | R.Halluri     |
| 20.     | Parvati S. Bastawade   | S.J.D High School Nidasoshi  | P.S.Bastawade |
| 21.     | Kantabha S. Patil      | HIT                          | K.Patil       |
| 22.     | Ajay. M. Ningunur      | HIT                          | A.Ningunur    |
| 23.     | Ajay. I. Terani        | HIT                          | A.Terani      |
| 24.     | Ganesh. B. S           | HIT                          | G.B.S         |
| 25.     | Omkar. D. Patil        | HIT                          | O.Patil       |
| 26.     | Rohit Boragalli        | S.J.D high school Nds        | R.Boragalli   |
| 27.     | Gurunath. D. Neelkanth | HIT                          | G.Neelkanth   |
| 28.     | Parashuram chalanekar  | S.J.D high school NDS        | P.A.C         |
| 29.     | Omkar. D. Chavan       | HIT                          | O.Chavan      |
| 30.     | Sumit M. Kumbhar       | HIT                          | S.Kumbhar     |
| 31.     | L. ANARESHI            | HIT                          | L.ANARESHI    |
| 32.     | SATISHI                | HIT                          | SATISHI       |
| 33.     | Paramanand             | HIT                          | P.Paramanand  |
| 34.     | Mahantech              | HIT                          | M.Mahantech   |
| 35.     | Satish badiger         | S.J.D High school NDS        | S.S.Badiger.  |





S J P N Trust's

# Hirasugar Institute of Technology, Nidasoshi

Inculcating Values, Promoting Prosperity

Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU Belagavi.

Accredited at 'A' Grade by NAAC

Programmes Accredited by NBA: CSE, ECE, EEE & ME.

Mech Dept.

AIMSS

Mini Anveshana Project  
Exhibition

Odd Sem (2019-20)

|     |                         |                                   |                 |
|-----|-------------------------|-----------------------------------|-----------------|
| 36. | Mahantegh. C. Miraj     | HIT Nidasoshi                     | Nidasoshi       |
| 37. | Sammed. Ainapure        | SD High School Nidasoshi          | S.R. Ainapure   |
| 38. | Kashagouda. Patil       | HIT Nidasoshi                     | Kash            |
| 39. | Kashinath. Chougale     | HIT Nidasoshi                     | Kashinath       |
| 40. | Achutogh. Andani        | HIT Nidasoshi                     | Achutogh        |
| 41. | Manoj Patil             | HIT Nidasoshi                     | Manoj           |
| 42. | Parashram Melur         | HIT Nidasoshi                     | Parashram       |
| 43. | Nehal. V. Mahanday      | HIT Nidasoshi                     | Nehal           |
| 44. | Mahantegh. V. Bad       | HIT Nidasoshi                     | Mahantegh       |
| 45. | Shivaprasad Kharoshi    | S.J.D High School Nidasoshi       | S.J.D           |
| 46. | Rohon. A. Chate         | HIT Nidasoshi                     | Rohon           |
| 47. | Pratik. D. Patil        | HIT Nidasoshi                     | Pratik          |
| 48. | Sourabh. Sali           | HIT Nidasoshi                     | Sourabh         |
| 49. | Satyabhavayon. Badger   | HIT Nidasoshi                     | Satyabhavayon   |
| 50. | Atmanv. A. Deshpande    | M. S. J. D. HIGH SCHOOL Nidasoshi | A. A. Deshpande |
| 51. | Sagar. M. Hakey         | HIT Nidasoshi                     | Sagar           |
| 52. | Subham S. Deshpande     | HIT Nidasoshi                     | Subham          |
| 53. | Anantacharanubh Katti   | HIT Nidasoshi                     | Anantacharanubh |
| 54. | Shrishail. R. Badiger   | HIT Nidasoshi                     | Shrishail       |
| 55. | Sudeep. K. Lakkar       | S.J.D High School Nidasoshi       | S.K. Lakkar     |
| 56. | Suneel. Mawmagddad      | HIT Nidasoshi                     | Suneel          |
| 57. | Shrishail. Mathapati    | HIT Nidasoshi                     | Shrishail       |
| 58. | Shambulingappa. A       | HIT Nidasoshi                     | Shambulingappa  |
| 59. | Vinod. Kulkarni         | HIT Nidasoshi                     | Vinod           |
| 60. | Shambhoo. Ningannur     | S.J.D. High school Nidasoshi      | Shambhoo        |
| 61. | Nachiket. D             | HIT Nidasoshi                     | Nachiket        |
| 62. | AKSHAY KUMAR PAHIL      | HIT Nidasoshi                     | AKSHAY          |
| 63. | Irappa. Karganvi        | HIT Nidasoshi                     | Irappa          |
| 64. | Kiran. Pujari           | HIT Nidasoshi                     | Kiran           |
| 65. | Mallikarjun. S. Dhangar | S.J.D. High school Nidasoshi      | M.S. Dhangar    |
| 66. | Darshan. S. Joshi       | S.J.D High school Nidasoshi       | D.S. Joshi      |
| 67. | Vaibhav. M. Shinde      | HIT Nidasoshi                     | Vaibhav         |
| 68. | Shivraj. Miraj          | "                                 | Shivraj         |
| 69. | Umesh. Aadi             | "                                 | Umesh           |
| 70. | Vishwanath. Mane        | "                                 | Vishwanath      |
| 71. | Punit. Chikrasagudae    | "                                 | Punit           |
| 72. | Chandrashikha. M. Magar | "                                 | Chandrashikha   |
| 73. | Ninganna. A. K          | "                                 | Ninganna        |
| 74. | Nagesh. A. Bared        | S.J.D. High. School Nidasoshi     | Nagesh          |





S J P N Trust's

**Hirasugar Institute of Technology, Nidasoshi***Inculcating Values, Promoting Prosperity*

Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU Belagavi.

**Accredited at 'A' Grade by NAAC****Programmes Accredited by NBA: CSE, ECE, EEE & ME.**

Mech Dept.

AIMSS

Mini Anveshana Project  
Exhibition

Odd Sem (2019-20)

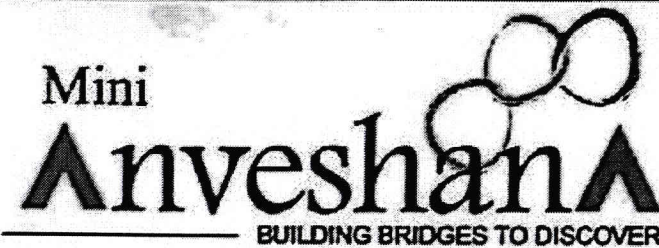
|      |                           |                           |  |
|------|---------------------------|---------------------------|--|
| 75.  | Mallikarjun. Vajjaramallu | HIT Nidasoshi             |  |
| 76.  | Yashod M. Badagavi        | HIT Nidasoshi             |  |
| 77.  | Brahmanand. Goudar        | HIT Nidasoshi             |  |
| 78.  | Aleksh Anil. Patil        | HIT Nidasoshi             |  |
| 79.  | Darshan. A. Hirekodi      | S.J.D. H.S. Nidasoshi     |  |
| 80.  | Punit Kumar. P. Nair      | HIT Nidasoshi             |  |
| 81.  | Songamesh Pojeer          | HIT Nidasoshi             |  |
| 82.  | Rohit Valashetti          | HIT Nidasoshi             |  |
| 83.  | Darshan. Patil            | HIT Nidasoshi             |  |
| 84.  | Vinayak. Bagar            | HIT Nidasoshi             |  |
| 85.  | ASHWATH. B                | SJD H.S Nidasoshi         |  |
| 86.  | Omkan. A. B               | H.I.T Nidasoshi           |  |
| 87.  | Kiran Magdum              | H.I.T Nidasoshi           |  |
| 88.  | Ajit Mayegi               | S.J.D. H School Nidasoshi |  |
| 89.  | Kompanna V. Madanali      | HIT Nidasoshi             |  |
| 90.  | Shameenesh. S. Dabbegal   | HIT Nidasoshi             |  |
| 91.  | Amul. Desai               | HIT " "                   |  |
| 92.  | Vishal. M. Bakale         | SJD " "                   |  |
| 93.  | fakirapp. Maradi          | HIT Nidasoshi             |  |
| 94.  |                           |                           |  |
| 95.  |                           |                           |  |
| 96.  |                           |                           |  |
| 97.  |                           |                           |  |
| 98.  |                           |                           |  |
| 99.  |                           |                           |  |
| 100. |                           |                           |  |

  
 AIMSS Coordinator  
 (Prof. M.M. Shivashimpi)

  
 Student Coordinator  
 (Prof. Jagadeesh A)

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





SYNOPSYS

## Certificate of Participation

*This is to certify that*

Akhilesh. A. Drowid

from Hirasagar Institute of Technology, Nidasosli

*has participated in Mini - Anveshana 2019 Science & Engineering Fair*

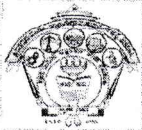
*Bengaluru*

Ramji Raghavan  
Chairman

Agastya International Foundation

Dr. Pradip K. Dutta  
Group Vice President  
& Managing Director,  
Synopsis South Asia





S J P N Trust's  
**Hirasugar Institute of Technology, Nidasoshi**

*Inculcating Values, Promoting Prosperity*  
Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU Belagavi.  
Accredited at 'A' Grade by NAAC  
Programmes Accredited by NBA: CSE, ECE, EEE & ME.

Mech Dept.

AIMSS

Mini Anveshana Project  
Exhibition

Odd Sem (2019-20)

## **Feedback Form**

**Title of Event:** Mini Anveshana Project Exhibition -2019

**Date of Event:** 20-09- 2019

**Name of Jury Member:**

| Sl. No. | Name                        | Designation           | Organization                                 |
|---------|-----------------------------|-----------------------|----------------------------------------------|
| 1       | Dr. Gopalakrishna Kamalapur | Professor             | S.D.M. Engineering and Technology, Dharwad   |
| 2       | Mr. Bhaskar S.V.            | Anveshana Coordinator | Agastya Foundation, Bangalore                |
| 3       | Prof. Mahantesh Tanodi      | Assistant Professor   | Hirasugar Institute of Technology, Nidasoshi |

**Number of Students:**

| Instructions: Please tick your level of agreement with the statements listed below                                                                                  | Strongly Agree | Moderately Agree | Agree | Not relevant to this event |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------|-------|----------------------------|
| 1. Do you agree projects provide better learning opportunity in mechanical engineering domain?                                                                      | ✓              |                  |       |                            |
| 2. Do you agree projects help to analyze your area of interest?                                                                                                     |                |                  | ✓     |                            |
| 3. Do you agree projects; can develop technical skills like critical thinking, problem solving ability, collaborating with team members, solving problems hands-on? | ✓              |                  |       |                            |
| 4. Do you agree multi-disciplinary projects extend your knowledge database to other engineering streams in a practical manner?                                      |                | ✓                |       |                            |
| 5. Overall opinion about Mini Anveshana project exhibition.                                                                                                         | ✓              |                  |       |                            |

**Any other comments/Suggestions?**

  
Student Signature

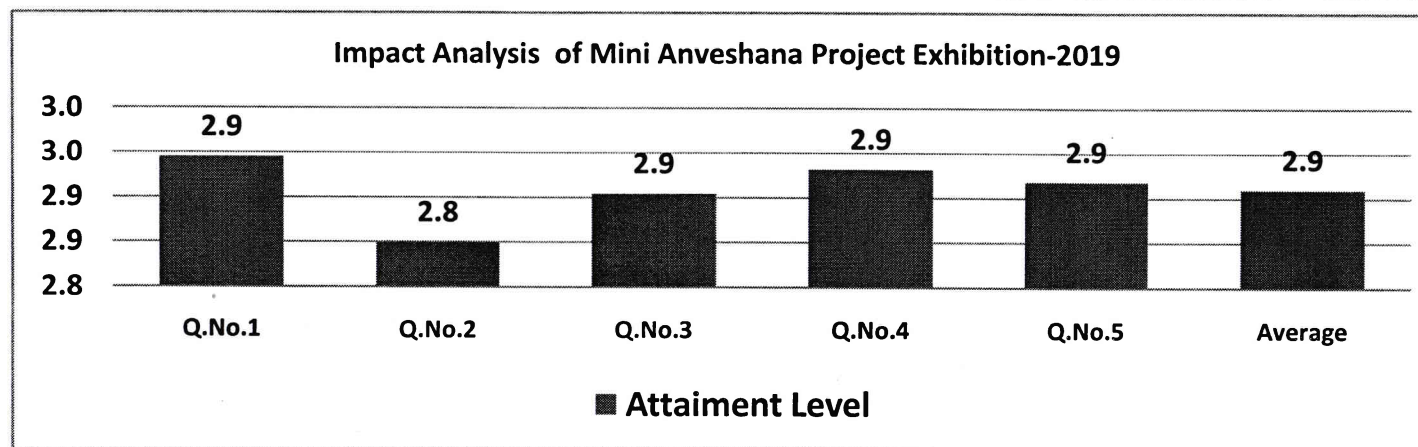
Nidasoshi-591 236, Taq: Hukkeri, Dist: Belagavi, Karnataka, India.  
Phone: +91-8333-278887, Fax: 278886, Web: www.hsit.ac.in, E-mail: principal@hsit.ac.in



# Title of Event: Mini Anveshana Project Exhibition-2019

Number of Students: 73

| Q. No.  | Strongly Agree(3) |     | Moderately Agree(2) |    | Agree (1) |   | Not relevant this event(0) |   | Total score | % of attainment = (Total score/Total Students Attended) | Average Percentage attainment | Attainment Level | Mapped POs                 | Mapped PSOs |
|---------|-------------------|-----|---------------------|----|-----------|---|----------------------------|---|-------------|---------------------------------------------------------|-------------------------------|------------------|----------------------------|-------------|
| Q.No.1  | 71                | 213 | 1                   | 2  | 0         | 0 | 1                          | 0 | 215         | 2.9                                                     | 97.0                          | High = 3         | 1,2,3,4,5,6,7,8,9,10,11,12 | 1,2         |
| Q.No.2  | 65                | 195 | 6                   | 12 | 1         | 1 | 1                          | 0 | 208         | 2.8                                                     |                               |                  |                            |             |
| Q.No.3  | 67                | 201 | 5                   | 10 | 1         | 1 | 0                          | 0 | 212         | 2.9                                                     |                               |                  |                            |             |
| Q.No.4  | 70                | 210 | 2                   | 4  | 0         | 0 | 1                          | 0 | 214         | 2.9                                                     |                               |                  |                            |             |
| Q.No.5  | 69                | 207 | 3                   | 6  | 0         | 0 | 1                          | 0 | 213         | 2.9                                                     |                               |                  |                            |             |
| Average |                   |     |                     |    |           |   |                            |   |             | 2.9                                                     |                               |                  |                            |             |



**Impact Analysis:** From the above Table, Mini Anveshana Project Exhibition-2019 event substantially attained to level 3 against mapped PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12,PSO1 and PSO2.

NOTE: Substantial or high = 3, Medium = 2 and Low = 1

  
AIMSS Coordinator  
(Prof. M.M.Shivashimpi)

  
HOD  
Mechanical Engg.  
HIT, Nidasoshi