



**SOUTH EAST ASIAN EDUCATION TRUST®**  
**S.E.A. COLLEGE OF ENGINEERING & TECHNOLOGY**  
(Approved by All India Council for Technical Education (AICTE), New Delhi)  
Affiliated to Visvesvaraya Technological University(VTU), Belagavi, Recognised by Government of Karnataka)

Department of Electronics and Communication Engineering

## **Report on the seminar on Energy Conservation and Innovation in House Hold Applications**

A seminar on Energy Conservation and Innovation in House Hold Applications was organized by S.E.A College of Engineering and Technology, Bangalore on 29<sup>th</sup> December, 2022 at 11:00am. The workshop was arranged for Second year, Third year and Final year ECE students. Nearly 80 students attended the seminar. Inauguration for the seminar was held on AC seminar hall at 11:00am. The function was presided by Dr.B.Venkatanarayana, Principal, SEACET and introduction of resource persons was given by Dr. P. Hosanna Princye Associate Professor, ECE, SEACET.

The resource persons for this seminar is Dr.Krishnakumar, Professor, Gopalan College of Engineering and Management.

### **About Seminar:**

**S.E.A College of Engineering and Technology**  
(Affiliated to VTU, Belagavi and Approved by AICTE, New Delhi)  
Bida Nagar, Near Appappa Nagar Circle, Devanahalli Main Road, K.L.Puram, Bangalore-42

**Department of Electronics and Communication**  
**Organizes**  
**A One day Seminar on**  
**"Energy Conservation & Innovation in House hold Applications"**  
**In Association with IQAC and IIC**

**Resource Person :**  
**Dr. Krishnakumar**  
**GCEM, Bangalore**

**On 29<sup>th</sup> December 2022**  
**Venue: AC Seminar Hall**

## About Resource Person:

### PROFILE



**Dr.KrishnaKumar**, has completed **B.E** in Electronics and Communication from Sri.Jayachamarajendra College of Engineering, Mysore. Started his career as **Lecturer**. Then completed **M.Tech** in Network Communication, **M.Phil** in Computer Science and **PhD** in Communication.

He has completed **MBA** and **M.A.(Public Administration)**.

He has completed following Certification :

1. **SIX SIGMA - Black Belt**,
2. Certified **LEAD AUDITOR** for ISO 9000-2008 and
3. **CISCO Certification – Cisco Certified Network Associate**.
4. Undergone training on Energy Auditing

He is having around twenty two years of teaching experience.

He has published around 20 technical papers in National and International Journals.

He has filed three patent ,

He has co-authored three text books

## Objective of Seminar:

- To know the basics of power generation methods and sources of power generation.
- To learn the alternate sources of power generation.
- To know and learn the Energy Conservation Methods in House Hold applications.

Dr. Krishnakumar started his lecture stating the importance of Energy Conservation Methods. He explained in brief how the power is generated in various ways. What are the sources to generate power from renewable and non-renewable resources. In what methods we can conserve Energy and why it is important to conserve. In our day to day life how we can conserve power without wasting the resources. How to conserve energy with available resources. How to get electronic products based on its five-star rating performance. He concluded by giving a brief idea about the necessity of Energy conservation.

Snapshots from seminar are presented below.







GPS Map Camera



**Bengaluru, KA, India**

4th Cross Road, KR Puram, Bengaluru,  
560049, KA, India

Lat 13.008347, Long 77.716449

12/29/2022 11:09 AM GMT+05:30

Note : Captured by GPS Map Camera



**Bengaluru, KA, India**

4th Cross Road, KR Puram, Bengaluru,  
560049, KA, India

Lat 13.008340, Long 77.716448

12/29/2022 11:12 AM GMT+05:30

Note : Captured by GPS Map Camera

GPS Map Camera





GPS Map Camera



**Bengaluru, KA, India**

4th Cross Road, KR Puram, Bengaluru,  
560049, KA, India

Lat 13.008665, Long 77.716423

12/29/2022 11:42 AM GMT+05:30

Note : Captured by GPS Map Camera



The seminar was concluded at 12.30pm. The seminar ended with the vote of thanks. It was given by Dr. P. Hosanna Princye, Associate Professor, ECE, SEACET. Feedback forms were collected from the students. Seminar was highly informative to students and staffs. Thus seminar provided valuable awareness and insights on the various aspects of Energy Conservation.

### **Seminar Outcome:**

- Students learnt how Energy conservation is important in our day to day life
- Power Generation methods and alternate sources to generate power were explained.
- The various ways to Conserve Energy in House Hold applications was discussed.
- The important challenges faced in Energy Conservation in House Hold applications was addressed.

**Students Name list – Seminar:**

| S NO | USN NO        | NAME OF STUDENT          |
|------|---------------|--------------------------|
| 1    | 1SP21EC001    | AISHWARYA D              |
| 2    | 1SP21EC002    | AISHWARYA H R            |
| 3    | 1SP21EC003    | AMULYA PATIL D A         |
| 4    | 1SP21EC004    | BHARADWAZ R              |
| 5    | 1SP21EC005    | DENITHA D                |
| 6    | 1SP21EC006    | GODLAVEETI GURUMAHESH    |
| 7    | 1SP21EC008    | JAGATI SAI TEJA          |
| 8    | 1SP21EC009    | JALANI K S               |
| 9    | 1SP21EC010    | KANNIKA P N              |
| 10   | 1SP21EC011    | KARTHIK V H              |
| 11   | 1SP21EC12     | KEVIN GEORGE D           |
| 12   | 1SP21EC13     | L PAWAN KUMAR            |
| 13   | 1SP21EC14     | MOHAMMED NAWAZ ULLAH     |
| 14   | 1SP21EC15     | NIKHIL K                 |
| 15   | 1SP21EC17     | RANJITHA M               |
| 16   | 1SP21EC18     | S YUVARAJ                |
| 17   | 1SP21EC19     | SACHIN KUMAR S           |
| 18   | 1SP21EC020    | SAHANA H                 |
| 19   | 1SP21EC21     | SHAMME ZEHRA             |
| 20   | 1SP21EC22     | SINDHU K J               |
| 21   | 1SP21EC23     | SINDHU V                 |
| 22   | 1SP21EC24     | SKANDA P                 |
| 23   | 1SP21EC25     | SONIKA N                 |
| 24   | 1SP21EC26     | SOWMYA P                 |
| 25   | 1SP21EC027    | SPOORTHY J               |
| 26   | 1SP21EC28     | SRIDHAR S MELI           |
| 27   | 1SP21EC30     | SUZAIN KHANUM            |
| 28   | 1SP21EC031    | THIRTA KUMAR H B         |
| 29   | 1SP21EC32     | VAISHNAVI PATIL          |
| 30   | 1SP21EC33     | VARAPRASAD K             |
| 31   | 1SP21EC34     | VENUGOPAL H R            |
| 32   | 1SP21EC35     | VYSHNAVI A R             |
| 33   | LATERAL ENTRY | ASWINI T                 |
| 34   | LATERAL ENTRY | BHARATHI                 |
| 35   | LATERAL ENTRY | CHARITHRA RANI           |
| 36   | LATERAL ENTRY | KARTHIKEYA K             |
| 37   | LATERAL ENTRY | KULDEEP                  |
| 38   | LATERAL ENTRY | SAI NIKHIL               |
| 39   | LATERAL ENTRY | SUDEEP B S               |
| 40   | LATERAL ENTRY | Trisha                   |
| 41   | 1SP20EC001    | BHAVANI S                |
| 42   | 1SP20EC002    | CHAKKIRI V SUDHEER KUMAR |



|    |            |                    |
|----|------------|--------------------|
| 43 | 1SP20EC003 | E NANDINI          |
| 44 | 1SP20EC004 | EDURU RAJESH       |
| 45 | 1SP20EC005 | JYOTHI NN          |
| 46 | 1SP20EC006 | LOKESH P           |
| 47 | 1SP20EC007 | MOHITH GOWDA       |
| 48 | 1SP20EC008 | D N PADMANAND      |
| 49 | 1SP20EC009 | SNEHA SHREE        |
| 50 | 1SP20EC010 | PRATHIK KUMAR RAI  |
| 51 | 1SP17EC007 | HOSMANI SANJUKUMAR |
| 52 | 1SP18EC002 | CHANDAN            |
| 53 | 1SP18EC012 | SRIPRIYA N         |
| 54 | 1SP19EC001 | ABHILASH C         |
| 55 | 1SP19EC002 | ANIRBAN SANKI      |
| 56 | 1SP19EC003 | ANIYA KAUSAR       |
| 57 | 1SP19EC004 | ARBEEN TAJ         |
| 58 | 1SP19EC005 | BHARATH B          |
| 59 | 1SP19EC006 | BINU               |
| 60 | 1SP19EC007 | BYRE GOWDA N       |
| 61 | 1SP19EC009 | CYRIL PAUL RAYAN   |
| 62 | 1SP19EC010 | GLORY D'SOUZA R    |
| 63 | 1SP19EC011 | IMPANA             |
| 64 | 1SP19EC012 | KAVITHA P          |
| 65 | 1SP19EC013 | LAVANYA K          |
| 66 | 1SP19EC014 | MAMTA KUMARI       |
| 67 | 1SP19EC015 | MANJUNATH B        |
| 68 | 1SP19EC016 | MANOJ GY           |
| 69 | 1SP19EC017 | NAVEEN Y           |
| 70 | 1SP19EC018 | PALLAVI AS         |
| 71 | 1SP19EC019 | PARVATHI S         |
| 72 | 1SP19EC020 | PRAJWAL            |
| 73 | 1SP19EC021 | PRIYANKA KUMARI    |
| 74 | 1SP19EC022 | RAJESH P           |
| 75 | 1SP19EC023 | SATHVIKA GB        |
| 76 | 1SP19EC024 | AVINASH S          |
| 77 | 1SP19EC026 | VY SANTHOSE        |
| 78 | 1SP19EC027 | YASHWANTH GOWDA    |
| 79 | 1SP19EC028 | YOGESH V           |
| 80 | 1SP19EC030 | RISHI VARDHAN      |

Students Attendance sheet (scanned):

| S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY                                      |               |                       |                  |
|---|---------------|-----------------------|------------------|
| Department of Electronics and Communication Engineering                           |               |                       |                  |
| Students Attendance (ACADEMIC YEAR 2022-23 -ODD SEM)                              |               |                       |                  |
| Seminar on 'Energy Conservation & Innovation in House hold Applications' 29-12-22 |               |                       |                  |
| S No  | USN           | NAME OF THE STUDENT   | SIGNATURE        |
| 1   | 1SP21EC001    | AISHWARYA D           | Aishwarya.D      |
| 2   | 1SP21EC002    | AISHWARYA H R         | Aishwarya.H.R.   |
| 3   | 1SP21EC003    | AMULYA PATIL D A      | Amulya patil     |
| 4   | 1SP21EC004    | BHARADWAZ R           | bharadwaz.R      |
| 5   | 1SP21EC005    | DENITHA D             | denitha.d        |
| 6   | 1SP21EC006    | GODLAVEETI GURUMAHESH | Gurumahesh       |
| 7   | 1SP21EC008    | JAGATI SAI TEJA       | Sai Teja         |
| 8   | 1SP21EC009    | JALANI K S            | Jalani.K.S.      |
| 9   | 1SP21EC010    | KANNIKA P N           | Kannika.P.N      |
| 10  | 1SP21EC011    | KARTHIK V H           | KARTHIK.V.H      |
| 11  | 1SP21EC12     | KEVIN GEORGE D        | Kevin            |
| 12  | 1SP21EC13     | L PAWAN KUMAR         | L.Pawan          |
| 13  | 1SP21EC14     | MOHAMMED NAWAZ ULLAH  | Nawaz            |
| 14  | 1SP21EC15     | NIKHIL K              | Nikhil           |
| 15  | 1SP21EC17     | RANJITHA M            | Ranjitha.M       |
| 16  | 1SP21EC18     | S YUVARAJ             | S.Yuvaraj        |
| 17  | 1SP21EC19     | SACHIN KUMAR S        | Sachin Kumar     |
| 18  | 1SP21EC020    | SAHANA H              | Sahana           |
| 19  | 1SP21EC21     | SHAMME ZEHRA          | Shamme Zehra     |
| 20  | 1SP21EC22     | SINDHU K J            | Sindhu.K.J       |
| 21  | 1SP21EC23     | SINDHU V              | Sindhu.V         |
| 22  | 1SP21EC24     | SKANDA P              | Skanda.p         |
| 23  | 1SP21EC25     | SONIKA N              | Sonika.N         |
| 24  | 1SP21EC26     | SOWMYA P              | Sowmya.p         |
| 25  | 1SP21EC027    | SPOORTHY J            | Spoorthy         |
| 26  | 1SP21EC28     | SRIDHAR S MELI        | Sridhar          |
| 27  | 1SP21EC30     | SUZAIN KHANUM         | Suzain           |
| 28  | 1SP21EC031    | THIRTA KUMAR H B      | Thirthakumar     |
| 29  | 1SP21EC32     | VAISHNAVI PATIL       | V.Patil          |
| 30  | 1SP21EC33     | VARAPRASAD K          | Varaprasad       |
| 31  | 1SP21EC34     | VENUGOPAL H R         | venugopal        |
| 32  | 1SP21EC35     | VYSHNAVI A R          | Vyshnavi         |
| 33  | LATERAL ENTRY | ASWINI T              | ASWINI.T         |
| 34  | LATERAL ENTRY | BHARATHI              | AB               |
| 35  | LATERAL ENTRY | CHARITHRA RANI        | Charithra.Rani.B |
| 36  | LATERAL ENTRY | KARTHIKEYA K          | Karthik.k        |
| 37  | LATERAL ENTRY | KULDEEP               | Kuldeep          |

|    |               |                          |                  |
|----|---------------|--------------------------|------------------|
| 38 | LATERAL ENTRY | SAI NIKHIL               | Nikhil           |
| 39 | LATERAL ENTRY | SUDEEP B S               | Sudeep B.S       |
| 40 | LATERAL ENTRY | Trisha                   | AB               |
| 41 | 1SP20EC001    | BHAVANI S                | Bhavanis         |
| 42 | 1SP20EC002    | CH VENKATA SUDHEER KUMAR | Chetala          |
| 43 | 1SP20EC003    | E NANDINI                | E. nandini       |
| 44 | 1SP20EC004    | EDURU RAJESH             | Rajesh           |
| 45 | 1SP20EC005    | JYOTHI NN                | Jyothi NN        |
| 46 | 1SP20EC006    | LOKESH P                 | Lokesh P         |
| 47 | 1SP20EC007    | MOHITH GOWDA C B         | Mohith           |
| 48 | 1SP20EC008    | D N PADMANAND            | D N Padmanand    |
| 49 | 1SP20EC009    | SNEHA SHREE              | sneha shree      |
| 50 | 1SP20EC010    | PRATIK KUMAR RAI         | Pratik           |
| 51 | 1SP19EC001    | ABHILASH C               | Abhilash         |
| 52 | 1SP19EC002    | ANIRBAN SANKI            | Anirban Sanki    |
| 53 | 1SP19EC003    | ANIYA KAUSAR             | Aniya            |
| 54 | 1SP19EC004    | ARBEEN TAJ               | Arbeen           |
| 55 | 1SP19EC005    | BHARATH B                | Bharath B        |
| 56 | 1SP19EC006    | BINU B                   | Binu B           |
| 57 | 1SP19EC007    | BYREGOWDA N              | Byregowda N      |
| 58 | 1SP19EC009    | CYRIL PAUL RAYAN         | Cyril Paul Rayan |
| 59 | 1SP19EC010    | GLORY D'SOUZA R          | Glory D          |
| 60 | 1SP19EC011    | IMPANA B S               | Impana B S       |
| 61 | 1SP19EC012    | KAVITHA P                | Kavitha P        |
| 62 | 1SP19EC013    | LAVANYA K                | Lavanya K        |
| 63 | 1SP19EC014    | MAMTA KUMARI D           | Mamta            |
| 64 | 1SP19EC015    | MANJUNATH B              | Manjunath B      |
| 65 | 1SP19EC016    | MANOJ G Y                | Manoj G Y        |
| 66 | 1SP19EC017    | NAVEEN Y                 | Naveen Y         |
| 67 | 1SP19EC018    | PALLAVI AS               | Pallavi AS       |
| 68 | 1SP19EC019    | PARVATHI S               | Parvathi S       |
| 69 | 1SP19EC020    | PRAJWAL R J              | Prajwal R J      |
| 70 | 1SP19EC021    | PRIYANKA KUMARI          | AB               |
| 71 | 1SP19EC022    | RAJESH P                 | Rajesh           |
| 72 | 1SP19EC023    | SATHVIKA GB              | AB               |
| 73 | 1SP19EC024    | AVINASH S                | Avinash          |
| 74 | 1SP19EC026    | VY SANTHOSH              | V. y. Santhosh   |
| 75 | 1SP19EC027    | YESHWANTH GOWDA          | Yeshwanth        |
| 76 | 1SP19EC028    | YOGESH V                 | Yogesh V         |
| 77 | 1SP19EC030    | RISHI VARDHAN            | Rishi            |
| 78 | 1SP17EC007    | HOSMANI SANJUKUMAR       | AR               |
| 79 | 1SP18EC002    | CHANDAN J A              | Chandana         |
| 80 | 1SP18EC012    | SRIPRIYA N               | Sripriya         |



Sample Feedback forms from students (scanned):



**S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

Basavanapura, Ekta Nagar, K.R.Puram, Bangalore-560049

**Students Feedback Form**

**Seminar on "Energy Conservation & Innovation in House hold Applications" for ECE students in association with IQAC & IIC on 29<sup>th</sup> December, 2022**

Seminar Name: Energy Conservation & Innovation in House hold Date: 29/12/22

Name of the Institution: S.E.A College of Engineering & Technology

Program Date: 29/12/22

Name of the Participant: Ranjitha-M

Department: Electronics and communication Engineering

USN NO: 1SP21EC017

Year and Semester: 2<sup>nd</sup> / 3<sup>rd</sup> Sem

Address: #116 Ganesh temple road old Byappanahalli  
MS Nagar post Bangalore-560033

Phone No: 6360569126 Mobile No: 6360569126 e-mail ID: ranjitha18m@gmail

➤ Write down the benefits got by attending this program?

From this program we have learn to identify label rating and also we came to how important the conservation of energy / power is important.

➤ Any Notes or Content Material provided (Y/N): NO

➤ Does this program have brought any change in your understanding of the subject, skills and your attitude towards the learning ?

NO

➤ Have you found any innovative idea of making learning process from this program? Explain.

NO

- Whether initiatives like this should be organized in the coming future or not? Give reason.

Yes

- How do you plan to share the gained knowledge/skill with your friends who did not attend the program?

Yes

- ✓ Kindly give rating to the different aspects of Seminar (Out of 10 marks)

| Particular                | Marks Given | Any Remarks |
|---------------------------|-------------|-------------|
| (a). Course Content       | 9           | NO          |
| (b). Resource Persons     | 8           | NO          |
| (c). Presentations        | 8           | NO          |
| (d). Interactive Sessions | 8           | NO          |
| (e). Reading Material     | 9           | NO          |
| (f). Basic Facilities     | 9           | NO          |
| (g). Overall              | 51          | NO          |

Ranjitha.M  
Signature of the Participant



# S.E.A COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Basavanapura, Ekta Nagar, K.R.Puram, Bangalore-560049

## Students Feedback Form

**Seminar on "Energy Conservation & Innovation in House hold Applications" for ECE students in association with IQAC & IIC on 29<sup>th</sup> December, 2022**

Seminar Name: Energy Conservation and Innovation in House hold Applications Date: 29/12/22

Name of the Institution: SEA College of Engineering and Technology

Program Date: 29/12/22

Name of the Participant: Mohith Gonda C.B

Department: ECE

USN NO: LSP20EC007

Year and Semester: 3<sup>rd</sup> & 5<sup>th</sup>

Address: Kolar

Phone No: - Mobile No: 8553677607 e-mail ID: mohithgonda7475@gmail.com

➤ Write down the benefits got by attending this program?

I came to know about star in electrical appliances

➤ Any Notes or Content Material provided (Y/N): N

➤ Does this program have brought any change in your understanding of the subject, skills and your attitude towards the learning ?

Yes,

➤ Have you found any innovative idea of making learning process from this program? Explain.

No



➤ Whether initiatives like this should be organized in the coming future or not? Give reason.

Yes

➤ How do you plan to share the gained knowledge/skill with your friends who did not attend the program?

word of mouth

✓ Kindly give rating to the different aspects of Seminar (Out of 10 marks)

| Particular                | Marks Given | Any Remarks |
|---------------------------|-------------|-------------|
| (a). Course Content       | <u>9</u>    |             |
| (b). Resource Persons     | <u>10</u>   |             |
| (c). Presentations        | <u>10</u>   |             |
| (d). Interactive Sessions | <u>9</u>    |             |
| (e). Reading Material     | <u>0</u>    |             |
| (f). Basic Facilities     | <u>9</u>    |             |
| (g). Overall              | <u>9</u>    |             |

Abhishek  
Signature of the Participant