

ACTIVITIES OF CENTER FOR INNOVATION AND INCUBATION PRGC

Under the dynamic leadership of respected Principal, Dr. B.V. Tirupanyam, the Department of Physics and Electronics, inaugurated the innovation & incubation Centre in physics block On 30th July 2022. The Principal, along with former HoD; Dr.K. Jyothi, Principal SVRK Government Degree College (M), Nidadavolu with their good wishes started the ATAL tinkering Innovation and Incubation Centre.

FOR MORE INFORMATION CLICK ON THE LINK BELOW

<https://youtu.be/R6XhTG0EJE8>

PRESENT COORDINATOR



Dr. P. HIMAKAR Ph.D., INNOVATION CENTER PRGC AND INCHARGE OF ELECTRONICS Dr. K. JAYADEV

ACTIVITIES FOR THE ACADEMIC YEAR -2023-24

- 1.) **Construction of EGG incubation chamber** with arduino based programming constructed by our IIMPCs students **R. Ganesh, M.Mani Babu and M. Sai Krishna** under the esteemed guidance of our beloved former Head of the Department **Sri U.V.B.B.Krishna Prasad**.
- 2.) **Regulated D.C. Power Supplies** constructed by our IIMPCs students **R. Ganesh and M. Sai Krishna** under the esteemed guidance of **Dr. P.Himakar** (convener and chief designer centre for innovation and incubation).
- 3.) **Solar V-I Characteristics kit** designed and implemented by **Dr. P.Himakar** (convener centre for innovation and incubation) for the Renewable Energy Practicals.
- 4.) **Most of the equipments** are being repaired by our students and by the convener centre for innovation and incubation **Dr. P.Himakar** for the smooth running of the Laboratories.
- 5.) **Lot of arduino based projects** are prepared and presented by our Students of Physics and Electronics disciplines on science Day.

PHOTO GALLERY:



CONSTRUCTION OF EGG INCUBATOR BY OUR FINAL YEAR ELECTRONICS STUDENTS



CONSTRUCTION OF REGULATED DC SUPPLY USING LM 317 IC



SOLAR CELL CHARACTERISTICS KIT FOR RENEWABLE ENERGY PRACTICALS

ACTIVITIES FOR THE ACADEMIC YEAR -2024-25

- 1.) Construction of sensor-based lighting instrument for controlling the Tube lights with IR proximity sensor was designed and implemented by Dr. P. Himakar along with Electronics students.
- 2.) Construction of the Solar Lantern by modifying the Wall lamps and using solar panel to charge the same and Brightness control is also provided.
- 3.) Solar tracker project by using LDRs was designed and constructed by our final Year Electronics students.
- 4.) Learning of Simulation Softwares (Keil and Proteus) for Simulating the Embedded systems Experiments Students are trained to operate the Software and the training was given by Dr.P. Himakar and Dr. M. Surekha, HOD of Physics and other faculty members of the Department.
- 5.) Students were trained to Install Sensor based Solar Street lights in the Campus By Dr. P. Himakar.

PHOTO GALLERY:



SENSOR BASED LIGHTING EQUIPMENT



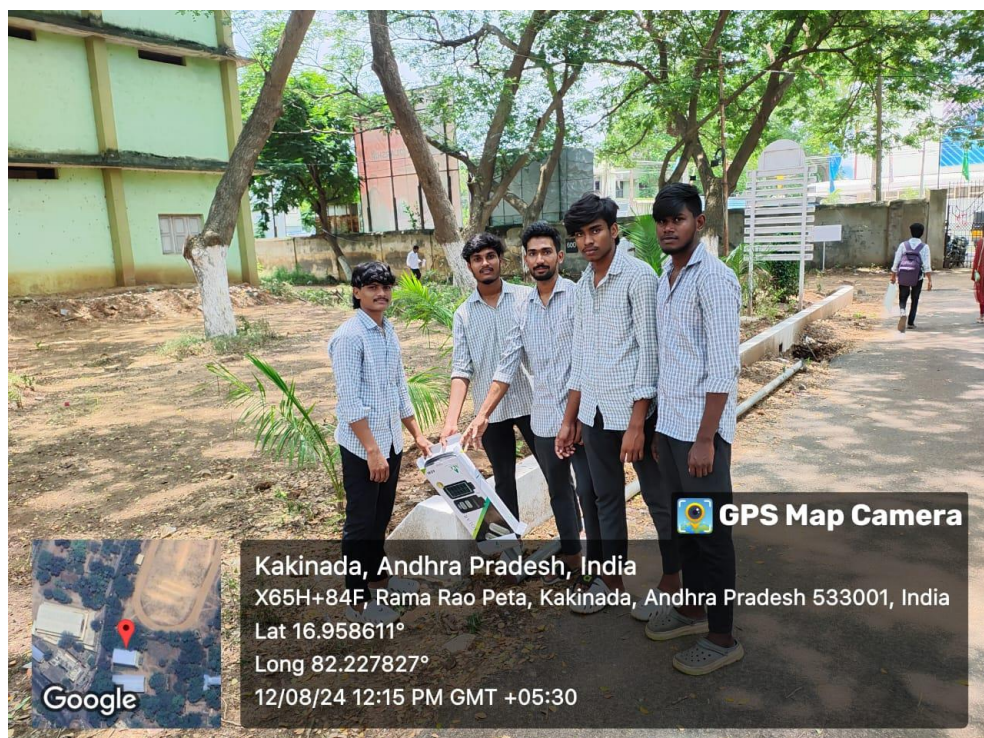
SOLAR LANTERN FROM WALL LIGHTS WITH BRIGHTNESS CONTROL



SOLAR TRACKER PROJECT BY OUR FINAL YEAR ELECTRONICS STUDENTS



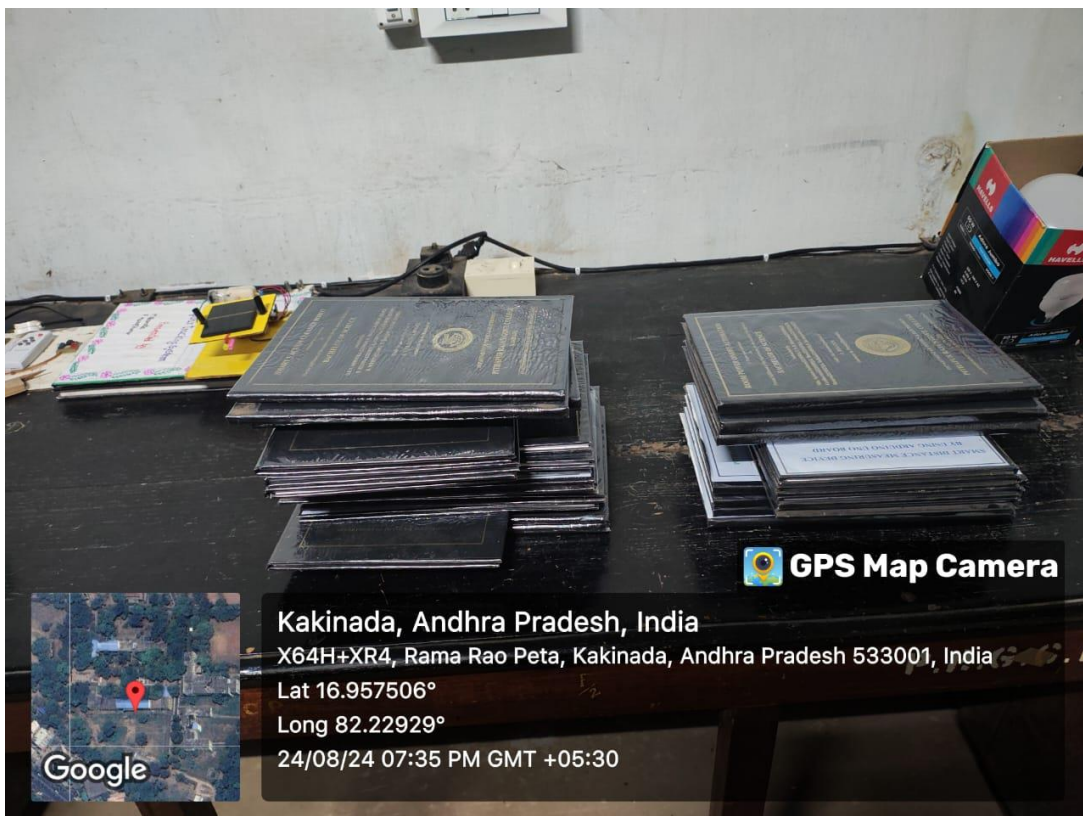
SIMULATION PROGRAMS STUDENT TRAINING (KEIL, PROTEUS) BY THE HOD, AND COORDINATOR OF INNOVATION CENTER



INSTALLATION OF SOLAR STREET LIGHT IN THE CAMPUS BY RENEWABLE ENERGY STUDENTS



INSTALLATION OF SOLAR STREET LIGHT IN THE CAMPUS BY FINAL YEAR MECS STUDENTS



STUDENTS RECORDS FOR VARIOUS ARDUINO BASED AND OTHER PROJECTS



CLEANING OF THE CENTER FOR INNOVATION AND INCUBATION BY PHYSICS MAJOR STUDENTS