

Department of Physics & Electronics
Report of Activities of Dhruva club (2022-23)

Club Coordinator: Ms.V.Sai Prashanthi

Faculty Members:Dr.D.Sarala,,W.Jaya Selva Vinitha, Ms. Sai Prashanthi , Dr.Y.Seetha Mahalakshmi

Student Co ordinators:

Anne sushma Swaraj, Manasa Yadav, Bhavani, Afrah – III MPCs & MECs

Kavitha, Sneha – II MECs

Nashrah – II MPCs

Student Members: 50 students from I, II and III MPCs/MECs

Composition of Club

President-Anney Sushma Swaraj

Secretary-Manasa Yadav

Vice President- Afrah Mayson

Treasurer- Nasrah

Club Advisor- Kavita

Training program/Workshop organized

a)

	Date(s)	Event	Title	I/N/S/O	Link to document
.	August 10th 2022	Workshop	From Sun to Stars and Beyond” by Dr K.SriRam, Dept of Astronomy, Osmania University	N	1. https://drive.google.com/file/d/1WELKljj1_ssK7pnHdoslwiw7Bg/view?uhare_link

						2. https://drive.google.com/file/d/12FbOMc7QuMiiqxYgf-hXsj0-MV7zyWAh/view?usp=share_link
--	--	--	--	--	--	--

b)

S. No.	Date(s)	Event	Title	I/N/S/O	Link to document
1	12th January 2023	Guest Lecture on Career Counseling in “Robotics and student projects”	Sahadev Komaragiri from SOHAM Academy of Human Excellence https://docs.google.com/document/d/1upbcLLJ8V_IlzG7felt9A2HFw-FeNaVIGyoouZ4TAi4/edit?usp=share_link	O	III BSc (MPCs and MECs) https://drive.google.com/drive/folders/1D29snuBOWGcIiKKdSmF46GISHbpvQ6Db?usp=share_link 1. https://drive.google.com/file/d/1DSq9boFgH47IryLQjue7XklDOe0gmDFw/vi

					ew?usp=share_link
c)					
1	March 9th	cluster College on Online Demonstration of Physics and Electronics models	“Technovation”	S	https://drive.google.com/file/d/1u3gRXzHYbUyKYNmsWpNHazage2YYQPjx/view?usp=share_link https://drive.google.com/file/d/1ymR29qs5Y9AosvQu5cW5jXtrIRuOwkrHv/view?usp=share_link
2	13th December 2023	National Energy Conservation Day “Energy Efficiency Systems”	1. Dr Sanjay Dhage Short CV_Sanjay Dhage (3).pdf 2. Dr Easwaramoorthi Ramasamy https://docs.google.com/document/d/1qSQS9tvAcb0gD9E-HbWTcKGzA3HJZfNnf1	N	1. https://drive.google.com/file/d/1Dbzd5AFVp3Tc8VISQURhS60J_3Na43Il/view?usp=share_link 2. https://drive.google.com/file/d/1s9eRYFD7Cu

			WynxTH9QE/edit?usp=s hare_link		E1ZSNNhQICL BeVlhjs- jjE/view?usp=sh are_link 3. https://drive.g oogle.com/file/d /1ETRXwPYA KciB13vdE0Gx ARLuORLQsEy h/view?usp=shar e_link
--	--	--	---	--	---

a) The Dhruva club of Department of Physics & Electronics has Organized a **Workshop “FROM SUN TO STARS AND BEYOND”** On August 10th 2022. .Dr.K.Sriram, Department of Astronomy ,Osmania University has consented to be a Resource Person and to Conduct the Workshop in a **Hybrid and a Blended Mode**. The Resource Person has Enticed The Physics And Electronics Students and Faculty from different Colleges.

The Investiture Ceremony of the Club was Organized and Cabinet was formed . All the Cabinet members of the club took Oath to work for the functioning and betterment of the Club.

President-Anney Sushma Swaraj

Secretary-Manasa Yadav

Vice President- Afrah Mayson


Treasurer- Nasrah

Club Advisor- Kavita

The Concepts like Kepler's laws, Energy Density and Black Holes were explained and the students were given training about stellarium software to conduct planetarium shows.

- b) The Dhruva club of Department of **Physics & Electronics** has Organized a Guest Lecture on Robotics: IOT Applications for B.Sc III year MPCs and MECs Students on 12th January 2023. The Resource person was Mr. Sahadev komaragiri, MD SOHAM Academy of Human Excellence. The students were given an exposure to Robotics based designing and Applications. The road map of the path to be followed in order to become self reliant and to succeed in startups.


c)



ST. ANN'S COLLEGE FOR WOMEN **ST. FRANCIS COLLEGE FOR WOMEN** **BHAVAN'S VIVEKANANDA COLLEGE**

TECHNOVATION -AN ONLINE LIVE DEMONSTRATION CUM COMPETITION IN PHYSICS & ELECTRONICS FIELDS

CLUSTER COLLEGE COLLABORATION



F.D.KARUNA SAGAR
D, DEPARTMENT OF
SICS,
ECTOR, CFRD
ANIA UNIVERSITY

DR. G.S.V.R.K. CHOUDARY
PRINCIPAL,
BHAVAN'S VIVEKANANDA
COLLEGE OF SCIENCE,
HUMANITIES AND
COMMERCE,
SECUNDERABAD

MR.SAHADEV
MD,SOHAM
ACADEMY
OF HUMAN
EXCELLENCE

DR.P. CHANDRA
SEKHAR
MD , 7 S TECHNOLOGIES

STARTING : 9.30 A.M ONWARDS

09/03/2023

PROGRAM SHEET

Time	Event
9.30 a.m to 12.30 p.m	
9.30- 9.33	Prayer
9.33-9.36	Address by convenor -host institution
9.36-9.40	Address by Dr. G.S.V.R.K. Choudary Principal, Bhavan's Vivekananda College of Science, Humanities and Commerce, Secunderabad
9.40-9.50	Address by Prof. D.Karuna Sagar Head, Department of Physics, Osmania University Director, Central Facilities for Research & Development, Osmania University.
9.50-10.00	Address by Mr.Sahadev MD, Soham Academy of Human Excellence,Hyderabad Address by Dr.P.Chandra Sekhar MD , 7 S Technologies, Hyderabad.
10.00 -12.30	Demonstration of models/experiments

Department of Physics and Electronics of St. Ann's College for Women in collaboration with St. Francis College for women and Bhavan's Vivekananda College, Sainikpuri organized "TECHNOVATION2k23" an online competition cum live demonstration of Electronic Circuits and Physics projects on 9th March 2023.

Objectives:

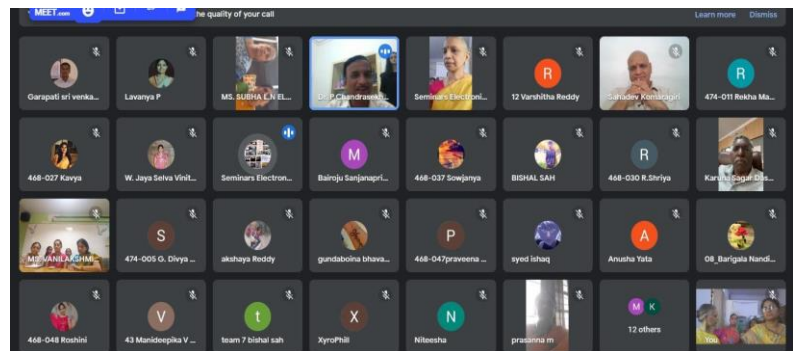
- To motivate the students to opt for Physics and Electronics at a higher level leading to "Athma Nirbhar Bharath".
- To showcase the Electronics and Physics projects and encourage the students of Undergraduate level to get motivated in higher education .
- To encourage the students at graduation level to pursue higher studies in the related fields and take up research activities in future.

Ms.Varalika of III year MECs rendered a prayer to mark the inauguration , followed by opening marks from Dr.Sr.P.Amrutha , principal, host college. The coordinator Dr. Sarala, Head, Department of Physics & Electronics , presented a genesis of the webinar. The inaugural session had invited and motivational talks by Dr.GVVS.Chadary, Principal Bhavan's Science

college , the cluster colleges, Prof. Karuna Sagar, Head, Dept. of Physics, OU, Industrial Experts - Mr Sahadev, MD, Soham Academy of Human Excellence and Dr P Chandrasekhar, MD and Technical Director 7S Technologies.

Summary and Outcome:

Students from various colleges participated in the competition enthusiastically and presented their works confidently. Twenty three teams participated in this competition and each team was given 3 minutes time to present their work and 2 minutes for answering the queries, Dr P Chandrasekhar, MD and Technical Director 7S Technologies was the judge for the event. Students learnt the skill of presenting their technical work to experts from academia and industry, they got enough motivation to build new circuits with the innovative thoughts put forward to them during the demonstrations and discussions with the evaluators. Lastly, Collaborating college coordinators congratulated all the participants and thanked all staff and principals of the participating colleges for encouraging their students in doing the projects and presenting them.



Prizes - Technovation 2k23



First Prize winner - Bhavan's Vivekananda College

Second Prize winners



Technovation award



Consolation Prize- by St.Francis students



III Prize by St. Ann's college students

Innovation award

d) The Dhruva club of Department of **Physics & Electronics** has Organized a Home Decors Exhibition of student projects on 19th December 2022 at St. Ann's College for Women.

The students of II year Physics and Electronics have prepared models by using low power Light Emitting diodes . The projects that were showcased include : Christmas decoration lights, illuminating water falls , clap switches, automatic switching off the lights when not in use. The electronic waste materials like old CDs, cardboard and paper decoration lights were used to construct the models. The exhibits were displayed in the college Quadrangle during lunch time and Sr.principal inaugurated the stalls. Dean Academics Dr.Smita Asthana, Controller of Examinations Dr.S.Radhai, Deans Student Affairs- Dr.Nirmal Xavier and Dr.Mahiha have appreciated the projects.







St. Ann's College For Women

(Autonomous), Affiliated to Osmania University
Accredited with A+ Grade by NAAC , CPE by UGC,
Mehdipatnam, Hyderabad

Department of Physics and Electronics
DHRUVA CLUB

Organises a
Workshop on

"FROM SUN TO STARS AND BEYOND"



Speaker- Dr.K.Sriram
Dept.of Astronomy,
(Osmania University)

- Date - August 10, 2022
- Timings - 9:30 am to 10:30 am
- Venue - AV Room

Registration link -
<https://forms.gle/2YbG2zNBcDVfgnMW7>



Department of Physics & Electronics
Report of Activities of Dhruva club (2022-23)

Club Coordinator: Ms.V.Sai Prashanthi

Faculty Members:Dr.D.Sarala,,W.JayaSelva Vinita, Ms. Sai Prashanthi , Dr.Y.Seetha Mahalakshmi

Student Co ordinators:

Anne sushma Swaraj, Manasa Yadav, Bhavani, Afrah – III MPCs & MECs

Kavitha, Sneha – II MECs

Nashrah – II MPCs

Student Members: 50 students from I, II and III MPCs/MECs

Composition of Club

President-Anney Sushma Swaraj

Secretary-Manasa Yadav

Vice President- Afrah Mayson

Treasurer- Nasrah

Club Advisor- Kavita

Training program/Workshop organized

d)

S. No.	Date(s)	Event	Title	I/N/S/O	Link to document
1	August 10th 2022	Workshop	From Sun to Stars and Beyond” by Dr K.SriRam, Dept of Astronomy, Osmania University	N	1. https://drive.google.com/file/d/1WELiHlnKljj1_ssK7pnHdPvQosliw7Bg/view?usp=share_link 2. https://drive.google.com/file/d/12FbOMc7QuMiiqxYgf-hXsj0-MV7zyWAh/view?usp=share_link

e)

S. No.	Date(s)	Event	Title	I/N/S/O	Link to document
1	12th January 2023	Guest Lecture on Career Counseling in “ Robotics	Sahadev Komaragiri from SOHAM Academy of Human Excellence https://docs.google.com/document/d/1upbcLIJ8V_IlzG7felt9A2HFw-	O	III BSc (MPCs and MECs) https://drive.google.com/drive/folders/1D29snubOwGcliKKdSmF46

		and student projects”	FeNaVIGyooouZ4TAi4/edit?usp=share link		G1SHbpvQ6Db?usp=share link 1. https://drive.google.com/file/d/1DSq9b0FgH47IryLQjue7XklDOe0gmDFw/view?usp=share link
--	--	-----------------------	--	--	--

f)

1	March 9th	cluster College collaboration on Online Demonstration of Physics and Electronics models	“Technovation”	S	https://drive.google.com/file/d/1u3gRXzHYbUyKYNmsWpNHazaqe2YYQPjx/view?usp=share link https://drive.google.com/file/d/1ymR29gs5Y9AosvQu5cW5iXtrIRuOwkrH/view?usp=share link
2	13th Dece	National Energy Conservation Day	1.Dr Sanjay Dhage	N	1. https://drive.google.com/file/d/

mber 2023	“Energy Efficiency Systems”	Short CV Sanjay Dhage (3).pdf 2.Dr Easwaramoorthi Ramasamy https://docs.google.com/document/d/1qSOS9tvAcb0gD9E-HbWTcKGzA3HJZfNnf1WynxTH9QE/edit?usp=share_link		/1Dbzd5AFVp3Tc8VISQURhS60J_3Na43Il/view?usp=share_link 2. https://drive.google.com/file/d/1s9eRYFD7CuE1ZSNNhQICLBeVlhjs-jiE/view?usp=share_link 3. https://drive.google.com/file/d/1ETRwPYAKciB13vdE0GxARLuORLOsEyh/view?usp=share_link
--------------	--------------------------------	--	--	--

- e) The Dhruva club of Department of Physics & Electronics has Organized a **Workshop “FROM SUN TO STARS AND BEYOND”** On August 10th 2022. .Dr.K.Sriram, Department of Astronomy ,Osmania University has consented to be a Resource Person and to Conduct the Workshop in a **Hybrid and a Blended Mode**. The Resource Person has Enticed The Physics And Electronics Students and Faculty from different Colleges.

The Investiture Ceremony of the Club was Organized and Cabinet was formed . All the Cabinet members of the club took Oath to work for the functioning and betterment of the Club.

President-Anney Sushma Swaraj

Secretary-Manasa Yadav

Vice President- Afrah Mayson

Treasurer- Nasrah




Club Advisor- Kavita

The Concepts like Kepler s laws, Energy Density and Black Holes were explained and the students were given training about stellarium software to conduct planetarium shows.

- f) The Dhruva club of Department of **Physics & Electronics** has Organized a Guest Lecture on Robotics: IOT Applications for B.Sc III year MPCs and MECs Students on 12th January 2023.The Resource person was Mr.Sahadev komaragiri, MD SOHAM Academy of Human Excellence.

The students were given an exposure to Robotics based designing and Applications. The road map of the path to be followed in order to become self reliant and to succeed in startups.





g)



ST.ANN'S COLLEGE FOR WOMEN **ST.FRANCIS COLLEGE FOR WOMEN** **BHAVAN'S VIVEKANANDA COLLEGE**

TECHNOVATION -AN ONLINE LIVE DEMONSTRATION CUM COMPETITION IN PHYSICS & ELECTRONICS FIELDS

CLUSTER COLLEGE COLLABORATION



PROF.D.KARUNA SAGAR
HEAD, DEPARTMENT OF PHYSICS,
DIRECTOR, CFRD
OSMANIA UNIVERSITY

DR. G.S.V.R.K. CHOUDARY
PRINCIPAL,
BHAVAN'S VIVEKANANDA
COLLEGE OF SCIENCE,
HUMANITIES AND
COMMERCE,
SECUNDERABAD

**MR.SHADEV
MD,SOHAM
ACADEMY
OF HUMAN
EXCELLENCE**

**DR.P. CHANDRA
SEKHAR
MD , 7S TECHNOLOGIES**

TIMINGS : 9.30 A.M ONWARDS

09/03/2023

PROGRAM SHEET

Time	Event
9.30 a.m to 12.30 p.m	
9.30- 9.33	Prayer
9.33-9.36	Address by convenor -host institution
9.36-9.40	Address by Dr. G.S.V.R.K. Choudary Principal, Bhavan's Vivekananda College of Science, Humanities and Commerce, Secunderabad
9.40-9.50	Address by Prof. D.Karuna Sagar Head, Department of Physics, Osmania University Director, Central Facilities for Research & Development, Osmania University.
9.50-10.00	Address by Mr.Sahadev MD, Soham Academy of Human Excellence.Hyderabad Address by Dr.P.Chandra Sekhar MD , 7 S Technologies, Hyderabad
10.00 -12.30	Demonstration of models/experiments

Department of Physics and Electronics of St. Ann's College for Women in collaboration with St. Francis College for women and Bhavan's Vivekananda College, Sainikpuri organized "TECHNOVATION2k23" an online competition cum live demonstration of Electronic Circuits and Physics projects on 9th March 2023.

Objectives:

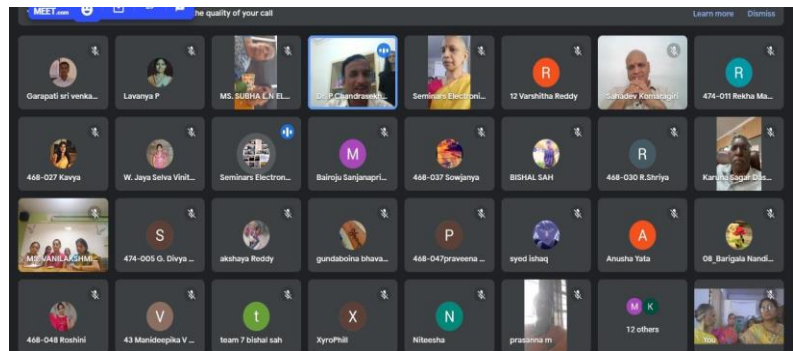
- To motivate the students to opt for Physics and Electronics at a higher level leading to "Athma Nirbhar Bharath".
- To showcase the Electronics and Physics projects and encourage the students of Undergraduate level to get motivated in higher education .

- To encourage the students at graduation level to pursue higher studies in the related fields and take up research activities in future.

Ms.Varalika of III year MECs rendered a prayer to mark the inauguration , followed by opening marks from Dr.Sr.P.Amrutha , principal, host college. The coordinator Dr. Sarala, Head, Department of Physics & Electronics , presented a genesis of the webinar. The inaugural session had invited and motivational talks by Dr.GVVS.Chadary, Principal Bhavan's Science college , the cluster colleges, Prof. Karuna Sagar, Head, Dept. of Physics, OU, Industrial Experts - Mr Sahadev, MD, Soham Academy of Human Excellence and Dr P Chandrasekhar, MD and Technical Director 7S Technologies.

Summary and Outcome:

Students from various colleges participated in the competition enthusiastically and presented their works confidently. Twenty three teams participated in this competition and each team was given 3 minutes time to present their work and 2 minutes for answering the queries, Dr P Chandrasekhar, MD and Technical Director 7S Technologies was the judge for the event. Students learnt the skill of presenting their technical work to experts from academia and industry, they got enough motivation to build new circuits with the innovative thoughts put forward to them during the demonstrations and discussions with the evaluators. Lastly, Collaborating college coordinators congratulated all the participants and thanked all staff and principals of the participating colleges for encouraging their students in doing the projects and presenting them.



Prizes - Technovation 2k23



First Prize winner - Bhavan's Vivekananda College



Second Prize winners



Technovation award



Consolation Prize- by St.Francis students



III Prize by St. Ann's college students



Innovation award

Dhruva Club Report (22- 23)

h) The Dhruva club of Department of **Physics & Electronics** has Organized a Home Decors Exhibition of student projects on 19th December 2022 at St. Ann's College for Women.

The students of II year Physics and Electronics have prepared models by using low power Light Emitting diodes . The projects that were showcased include : Christmas decoration lights, illuminating water falls , clap switches, automatic switching off the lights when not in use. The electronic waste materials like old CDs, cardboard and paper decoration lights were used to construct the models. The exhibits were displayed in the college Quadrangle during lunch time and Sr.principal inaugurated the stalls. Dean Academics Dr.Smita Asthana, Controller of Examinations Dr.S.Radhai, Deans Student Affairs- Dr.Nirmal Xavier and Dr.Mahiha have appreciated the projects.







St. Ann's College For Women

(Autonomous), Affiliated to Osmania University
Accredited with A+ Grade by NAAC , CPE by UGC,
Mehdipatnam, Hyderabad

Department of Physics and Electronics
DHRUVA CLUB

Organises a
Workshop on

"FROM SUN TO STARS AND BEYOND"



Speaker- Dr.K.Sriram
Dept.of Astronomy,
(Osmania University)

- Date - August 10, 2022
- Timings - 9:30 am to 10:30 am
- Venue - AV Room

Registration link -

<https://forms.gle/2YbG2zNBcDVfgnMW7>

