



MHRD'S
INNOVATION CELL
(GOVT. OF INDIA)



INSTITUTION'S INNOVATION COUNCIL(IIC)

'GIVE WINGS TO YOUR IDEAS'

**SRI DURGA MALLESWARA
SIDDHARTHA MAHILA KALASALA**

VIJAYAWADA-10

AN AWARENESS PROGRAMME-AS PART OF GOLDEN JUBILEE
CELEBRATIONS OF SIDDHARTHA ACADEMY OF GENERAL &
TECHNICAL EDUCATION (1975-2025)



An IQAC Initiative
Institution's Innovation Council
Science Association
Research Committee



in Collaboration with
ANDHRA PRADESH POLLUTION CONTROL BOARD
VIJAYAWADA

Cordially invites you to attend the

National Seminar
on
Climate and Sustainability: Glacial Crisis
& Waste Management

25th February 2025

Chief Guest
P. Srinivasa Rao
Environmental Engineer, Andhra Pradesh
Pollution Control Board, Vijayawada

Keynote Speakers
Prof.P. Brahmaji Rao,
Dept. of Environmental Sciences,
Acharya Nagarjuna University
Mr. Uday Singh Gautam,
Sanitation & Solid Waste Management Expert,
Tadepalli Municipal Corporation, Guntur
Dr.K. SRIKALA GANAPATHY,
Faculty, Dept. of Botany, Saveetha Institute of Medical &
Technical Sciences, Chennai

VENUE: Webinar Hall
Date & Time: 25/02/2025, 10.30AM

Dr.A.Pallavi
Convenor
Research Committee

A.Annapurna (PhD)
Convenor
Institution's Innovation Council

Dr.K.N.Varalakshmi
Convenor
Science Association

Dr.R.Madhavi
Special Officer

Dr.S.Kalpana
Principal

Title: Climate and Sustainability – Glacial Crisis & Waste Management

Objective: To primary objective is to bring about awareness among young generations about the planet's sustainability and providing space for them to present their innovative posters and models.

Speaker Details:

- Prof. B. Brahmaji Rao, Dept. of Environmental Sciences, Acharya Nagarjuna University.
- Uday Singh Gautam, Sanitation & Solid Waste Management Expert, Tadepalli Municipal Corporation, Guntur.
- Dr. K. Srikala Ganapathy, Faculty, Dept. of Botany, Saveetha Institute of Medical & Technical Sciences, Chennai.

Key points: A National Seminar and poster and model presentations on "**Climate and Sustainability – Glacial Crisis & Waste Management**" was conducted on 25th Feb, 2025 by Innovation & Incubation Cell (II&C), Science Association and Research Cell in collaboration with Andhra Pradesh Pollution Control Board (APPCB). The Chief Guest was Mr. P. Srinivas Rao, Environmental Engineer, APPCB, Vijayawada. The Board is a statutory organization and some of the important Activities of APPCB include –

- Monitoring of Bio Medical Waste Management for the HCEs (Hospitals).
- Preparing Annual Reports on Hazardous and other waste, Plastic Waste, Solid Waste C&D Waste and E-Waste generated for scientific disposal
- Conducting of Environmental Awareness Programmes.
- Facilitating of Environmental Public Consultations for the upcoming Industries
- Implementation of Ban on usage of Single Use Plastics (SUPs), Ozone Depleting Substances, Other Chemicals banned by MoEF & CC

APPCB very graciously funded the entire day's event which consisted of a National Seminar, event participation by students, call for research papers by students and faculty and publishing the papers in the form of a book with title '**Proceedings of Climate & Sustainability: Glacial Crisis and Waste Management**' an ISBN no. 9789334236224

The Chief guest Mr. P. Srinivas spoke about the rate at which environmental degradation is taking place and the impetus to abate this crisis is the bring about awareness

among the general public. He spoke about the hazardous waste released continuously into the environment and the need to implement the ban of certain products like single use plastics. He stated that youth played a crucial role in educating the masses and how the young minds should come forward to build a 'clean and green planet'. The students, staff and APPCB officials along with the keynote speakers released a poster on the ban of 'single use plastics'.

The Resource Person, Prof. B. Brahmaji Rao, spoke about the impact of climate change on agriculture. Climate Variability and Climate Change will increase in CO₂, increase in temperature, change in precipitation, sea level rise, variability and extreme events such as floods and drought. These will not only impact the quality and quantity of food but will also increase the cost of food. He stated that the adaptations to climate change are – New varieties: drought/heat resistant, New farm management practices, Change in land use, Watershed management and Agri-insurance. He ended that climate change is an inevitability and how will humans cope with this is a deep rooted question. Uday Singh Gautam spoke on Zero Waste and how it is the best solution is to stop pollution. He highlighted the different types of wastes generated by humans and how to mitigate them. He emphasized on the 3 R's – Reduce, Reuse, Recycle. He quoted Gandhi – 'you must be the change you wish to see in the world.'

Dr. Srikala Ganapathy spoke about Glaciers – source of Earth's freshwater reserves. She said mountain glaciers are important water resources, and they have important significance for indigenous people. She highlighted that the reason for glacier melting to be the increase of greenhouse gases and how certain innovative methods of production of electricity can help reduce greenhouse gases and protect the earth –

- Method 1 – Ground to the wind. Use of wind power to generate electricity. Private companies have installed windmills.
- Method 2 – Sun to the land. Use of energy from the sunlight. Set up solar panels in houses or buildings.
- Method 3 – Block a river and generate power. River water is blocked by a dam and then releases, the resultant energy is used to generate electric power.
- Method 4 – Nano Research Energy review paper – how electrical energy can be produced when river waters flow into sea water using a technology. Its based on osmotic pressure difference.
- Method 5 – nuclear reactor for peaceful purpose and to generate electricity. Use nuclear fission.

Students participated in presentation of innovative models, poster presentation and sketch your ideas on the following themes –

- Glacial Melting & Sea level rise
- Climate Action
- E- Waste Management in Digital Era
- Strategies to Reduce plastic usage
- Ban of Single Use Plastic
- Biodiversity Conservation
- Role of Green Technologies in Environmental Sustainability


Participant details: Twenty faculty members and 200 students from SDMSM Kalasala participated in this program.

Photos:







Student Details: All the students who participated in the event is as given below –



SRI DURGA MALLESWARA
SIDDHARTHA MAHILA KALASALA
 An Autonomous College in the Jurisdiction of Krishna University
 A College with Potential for Excellence
 Sponsors: SIDDHARTHA ACADEMY OF GENERAL AND TECHNICAL EDUCATION

Dt: 25/2/2025

Innovation and Incubation Cell

National Seminar & workshop

LIST OF STUDENT PRESENTATIONS :

1. SPOT SKETCH :

S.NO	Name of student	Class	Roll No	Phone No	Mail ID	Signature
1	K. Supraja	II Botany	235103S	7995439253	Suprajakoduru4032@gmail.com	K. Supraja
2	P. Pranitha	II FST	235363S	9248514252	Pranithapulimela@gmail.com	P. Pranitha
3	P. Rupa	II Botany	235137S	8143794078	Padalarupa20@gmail.com	P. Rupa
4	V. Sri Satya Harika	II Chemistry	233363S	9989695336	Satyaharika.vunuri@gmail.com	V. Sri Satya Harika
5	Ch. Sanjana	II Microbiology	235503S	9247292644	sanjanakandharis@gmail.com	Ch. Sanjana
6	M. Javali	II Microbiology	235507S	9502048737	menugunissy@gmail.com	M. Javali

2. MODEL PRESENTATION

S.NO	Name of the student	Class	Roll No	Phone number	Mail ID	Signature
1	S. Jahnavi	I AQUA	248237S	9392977997	jahnavi.siddharthani@gmail.com	S. Jahnavi
	B. Siri		245231S	9392977997	Siributrya911@gmail.com	B. Siri
2	R. Yasaswi Surya Lalitha	II FST	235341S	73300110583	Yasaswi.Moideen@gmail.com	R. Yasaswi Surya Lalitha
3	B. Sri Vanshitha	I FST	235335S	8125796747	Vanshitha.Chockalaty@gmail.com	B. Sri Vanshitha
4	T. Kasi Nandini	II FST	235307S	9676773629	Kasinarini.Nithya@gmail.com	T. Kasi Nandini
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6	N. Reshma	I Electronics	243638S	7416565332		N. Reshma
7	K. Navya Sri	I Botany		9391649029		
8	G. Mounika	I Botany		9553338351		
9	T. Susanna	I Aqua	245239S	7794971137	7416358289@gmail.com	T. Susanna
10	S. Jamina	I Botany		9390791679		
11	Md. Thabassum	II Aqua	235203S	8688516257	Lakshminthammal@gmail.com	Md. Thabassum
12	S. Poojitha	I Electronics	243640S	7981863676	Poojitha.srinithya@gmail.com	S. Poojitha
13	B. Jagadeeswari Ramya	I Aqua	235231S	9701745388	BeevadaJagadeeswari@gmail.com	B. Jagadeeswari Ramya
14	G. Mounika	II Aqua	2352340		Ramya.medam22@gmail.com	G. Mounika

3. Poster Presentation

S.NO	Name of student	Class	Roll No	Phone Number	Mail ID	Signature
1	Naga Vasudha	II FST	2353705	8499049286	v.v.vasudha@gmail.com	V. Vasudha
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3	N. Girija Visalakshi	II FST	2353595	9494951276	n.girija.visalakshi@gmail.com	N. Girija Visalakshi
4	A. Devika	II FST	2353325	8688756736	a.devika@gmail.com	A. Devika
5	P. Rupa	II Biochemistry	2351375	8143794078	p.rupa@gmail.com	P. Rupa
6	V. Neharika	II FST	2353695	9494191947	v.neharika@gmail.com	V. Neharika
7	A. Lahari Reddy	II Botany	2351015	7780335705	a.lahari.reddy@gmail.com	A. Lahari Reddy
8	G. Yasaswini	II Chemistry	2333415	9490695579	y.sasaswini@gmail.com	G. Yasaswini
9	D. Gnana Deepika	II Biochemistry	2354355	9494285488	d.gnana.deepika@gmail.com	D. Gnana Deepika
10	Sd. Momina Ahmed	I FST	2053015	6301868815	s.momina.ahmed@gmail.com	Sd. Momina
11	Abdul Afreeen	I Botany		9059320924	abul.afreeen@gmail.com	Abdul Afreeen
12	K. Akhila	I FST	2053065	8886788438	k.akhila@gmail.com	K. Akhila
13	L. Chandrika	I FST	2053095	9010967235	l.chandrika@gmail.com	L. Chandrika
14	K. Sujatha	I FST	2053045	9951500742	k.sujatha@gmail.com	K. Sujatha
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19	Ch. Prasanthi D. Amulya Rani	I Aqua	2452015 2452325	9493881125	ch.prasanthi.0201@gmail.com d.amulyarani2014@gmail.com	Ch. Prasanthi D. Amulya Rani
20	R. Ishwarya	I Aqua	2452355	6300285467	r.ishwarya@gmail.com	R. Ishwarya
21	K. Swapna	I Aqua	2452385	7093099158	k.swapna@gmail.com	K. Swapna
22	N. Nishitha D. Ramya	I Aqua	2452345 2452025	9959932069 9618831716	n.nishitha@gmail.com d.ramya@gmail.com	N. Nishitha D. Ramya
23	T. Susanna	I Aqua	2452395	7794971137	t.susanna@gmail.com	T. Susanna

Model Presentation

WINNERS

- I PRIZE - T. Kasi Nandini II FST T. Kasi Nandini
 II PRIZE - Md. Thabassum II Aqua - M. Thabassum / E. Mounilca
 III PRIZE - B. Sri Varshitha II FST - B. Sri Varshitha
 CONSOLATION - B. Jagadeeswari & Ramya II Aqua B. Jagadeeswari / M. Ramya

Poster Presentation

- I PRIZE - K.V.S.L. Varshitha II FST K. Varshitha
 II PRIZE - A. Lahari Reddy II Botany A. Lahari Reddy
 II PRIZE - Ch. Prasanthi & D. Amulya Rani I Aqua Ch. Prasanthi / D. Amulya Rani
 III PRIZE - A. Devika II FST A. Devika
 CONSOLATION - T. Susanna I Aqua T. Susanna

Spot Sketch

- I PRIZE - V. Sri Satya Harika II Chemistry - V. S. Satya Harika
 II PRIZE - M. Javali II Microbiology - M. Javali
 III PRIZE - P. Rupa II Botany - P. Rupa