



3.2 Innovation Ecosystem

1. Clean Environment:

Plastic Free Environment:

- Most importantly, plastic pollution harms the human life. The plastic litter in the water is mistaken for food by the aquatic animals. They eat it and die eventually. In short, we see how plastic pollution is ruining everyone's life on earth. We must take major steps to prevent it. We must use alternatives like cloth bags and paper bags instead of plastic bags. If we are purchasing plastic, we must reuse it. We must avoid drinking bottled water which contributes largely to plastic pollution. All this can prevent plastic pollution to a large extent.
- Our college strictly follow the plastic free environment in the campus and conducted a rally to aware the public of narayanapuram.





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Swatch Bharat:

A healthy life is possible only if the basic necessity of cleanliness of air and land is achieved. Green on the other hand has a direct link to promoting good health. Literally a green environment means abundance of trees and greenery.

Swatch Bharat is one of the most popular and significant mission. This programme was organised by the college NSS unit, to honour Mahatma Gandhi's vision of a clean country. Our college students and staff are participated in the clean and green programme every Saturday.





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Celebration of Environment Day:

World Environment Day is observed annually on June 05 to raise awareness about environmental protection and sustainability. The United Nations Environment Programme (UNEP) proposed a special day for the environment in 1972, which was designated by the UN General Assembly.

Our college has also celebrating Environment Day on 5th June every year.





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Ozone Day Celebration:

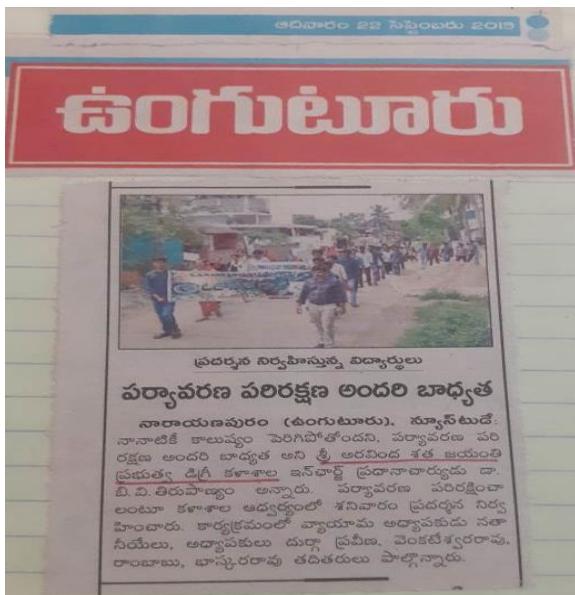
Ozone is an odourless, colorless gas made up of three oxygen molecule (O₃) and is a natural part of the environment. It occurs both in the Earth's upper atmosphere, or stratosphere, and at ground level in the lower atmosphere, or troposphere.

The United Nations General Assembly proclaimed 16 September the International Day for the Preservation of the Ozone Layer. Our college has also conducted Ozone Day by the Department of Chemistry on 16th Sep of every year.

Brief Report:

As per schedule the rally was started at 11am with the staff and the students from the main gate of the institution. The student exhibits the placards and gave slogans during the rally. The rally proceeded from the main gate of the institution and passes through touringpet and slum localities of the narayanapuram. The human chain was formed near the Ambedkar statue. Then the rally concluded at the open air theatre of the college.

However the ozone day celebrations created an impact on the young minds of society relating to Environmental protection in wise to minimize the damage to ozone layer with their day to day activities.







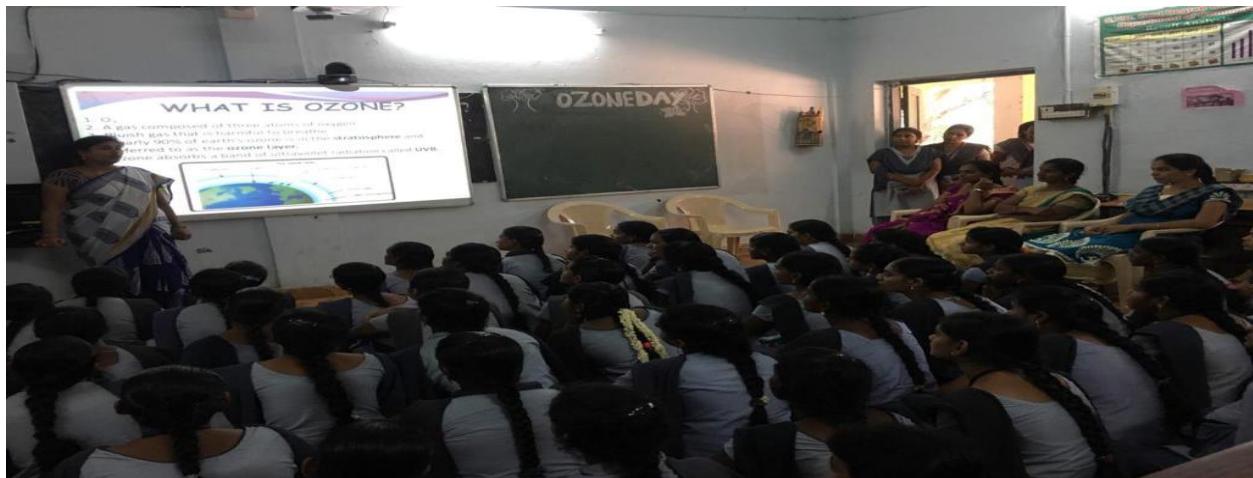
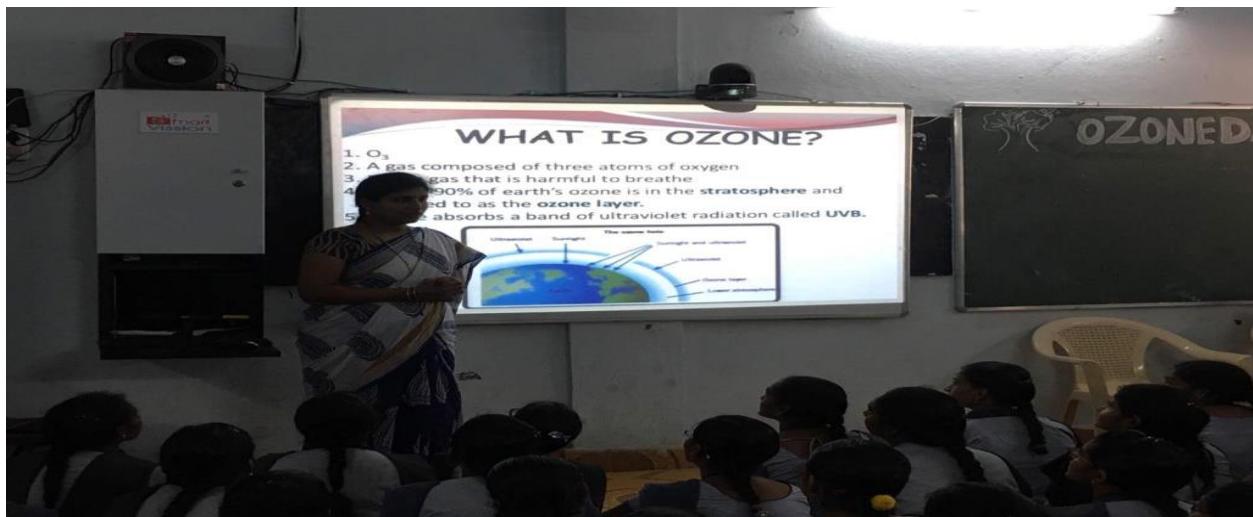
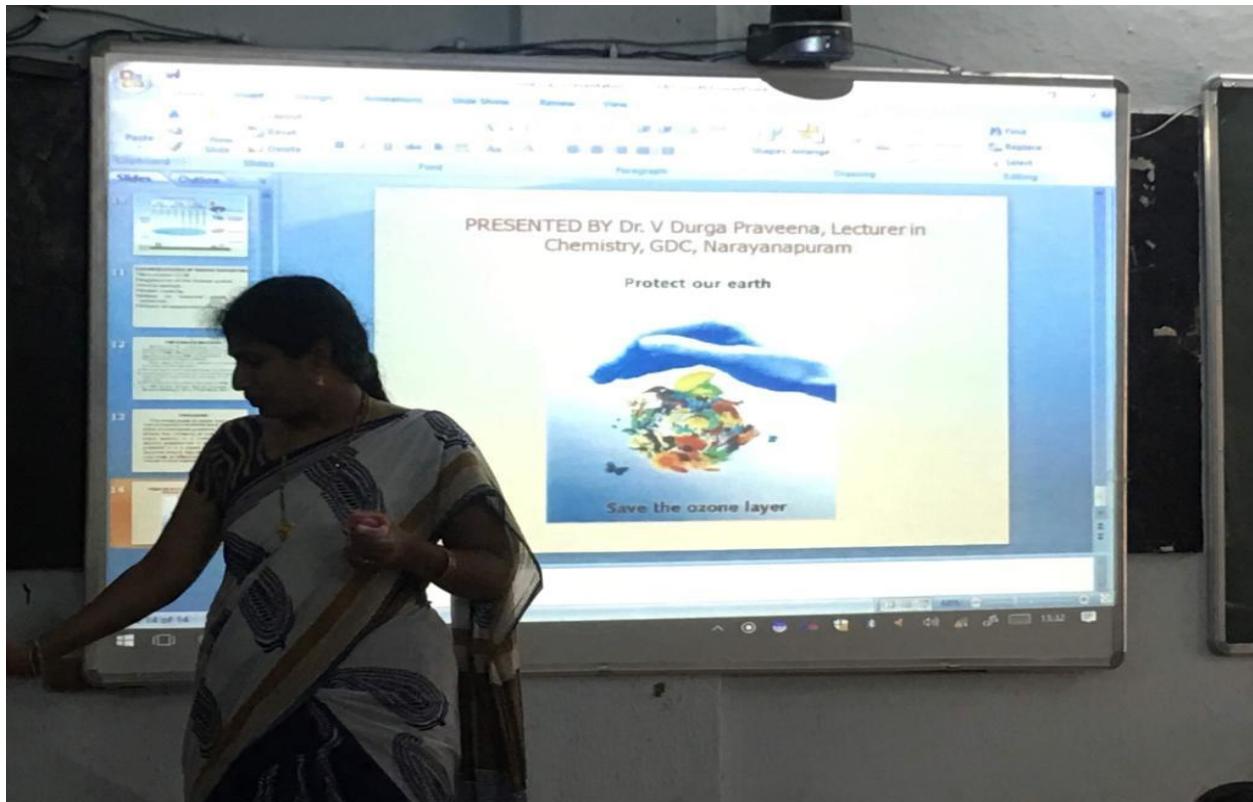
Title of the Activity: “Ozone day”

No .of lecturers participated: 07

No .of students participated: 42

Brief Report

Dr. V. Durga Praveena , Lecturer in Chemistry presented a lecture on Ozone protection on 16-09-2019 at SVD GDC(W) at 11 am.





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2. Plantation of trees:

Tree plantation is very necessary because trees provide oxygen to the environment and make the air quality better. If more trees are planted, then the world's environment will become a safer place to live in. Tree plantation also reduces pollution, thus making the life of future generations secure.

- Trees purify our air and combat climate change.
- Trees provide housing to millions of species that protect us from disease.
- Trees cool our streets and cities.
- Trees protect against floods and water pollution.
- Trees ease the mind during stressful times.

Our college students are motivated to plant the samplings in all important occasions in the college. The college begins the every important event with the plantation of sampling in the campus.





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3. OBSERVATION OF “NO VEHICLE DAY”:

The SAS Government Degree College, Narayanapuram is observing “No Vehicle Day” on every Saturday, focusing on promoting sustainable practices in the campus. This initiative encourages the students as well as public to use greener transportation to reduce carbon emissions. The day will be observed on the every Saturday. Students and faculty members should park their vehicles outside the campus and walk to their departments and classrooms. No-Vehicle Day is being observed with cooperation of the students and faculty members for the cause. Making the campus pollution-free is our feel. We make a grand rally with the students and staff to aware the public of the village in order to reduce air and sound pollutions.







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4. EXPLORING BIO-DIVERSITY:

Bio-diversity is a short form of Biological Diversity. It is the variety of all living things and their interactions. It changes over time as extension occurs and new species evolve. Species, Genetic, Ecosystem and Global are the main types in the bio-diversity.

Together the botany department and the environment club put out their best efforts to create a superb ecosystem and a diverse biosphere within the campus. Students' curiosity and awareness of the environment have been successfully sparked by the cultivation of uncommon herbal medicinal plants





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The primary purpose of field/industrial/educational trips are to enhance classroom learning. They provide an opportunity for students to see, touch, and experience what they have learned in the classroom. For example, a visit to a museum or art gallery can give students a better understanding of art, history, and culture. The educational tours/trips are essential in promoting lifelong learning and personal growth. They provide a platform for experiential learning, promote personal development, and foster socialization and community building. Our SAS Government Degree College, Narayanapuram was arranged field trips, industrial tours and educational excursions every year. The students of botany and zoology visited Maredumilly forest and Kolleru lake area to study the ecosystem, biodiversity flora and fauna of the area



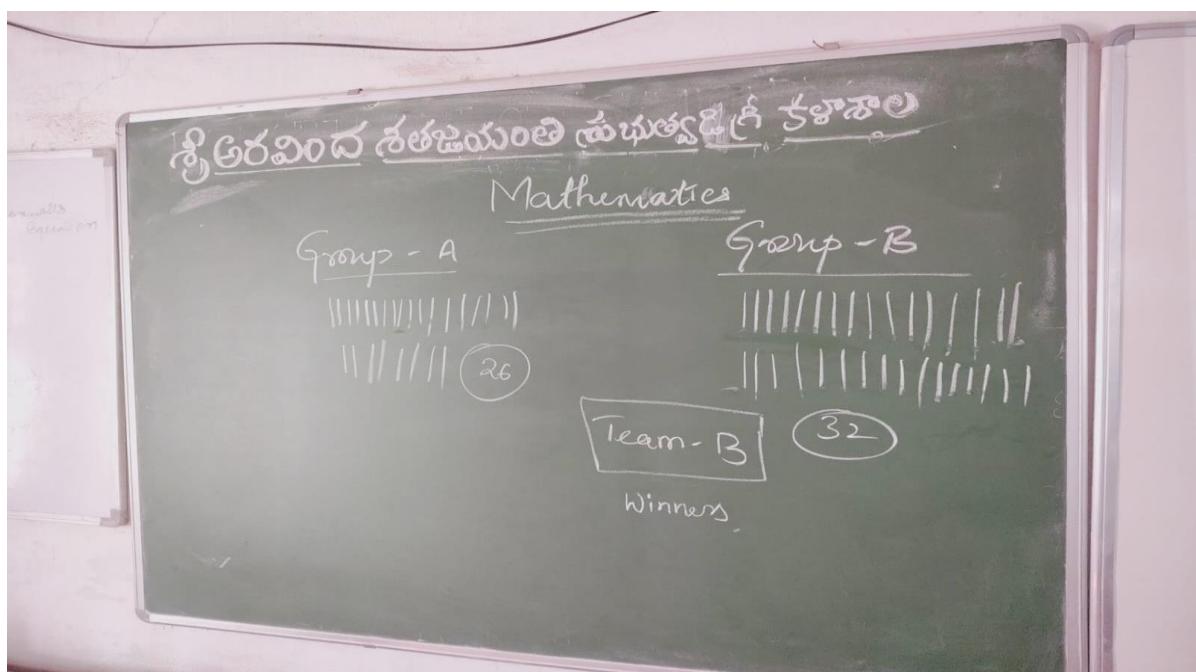


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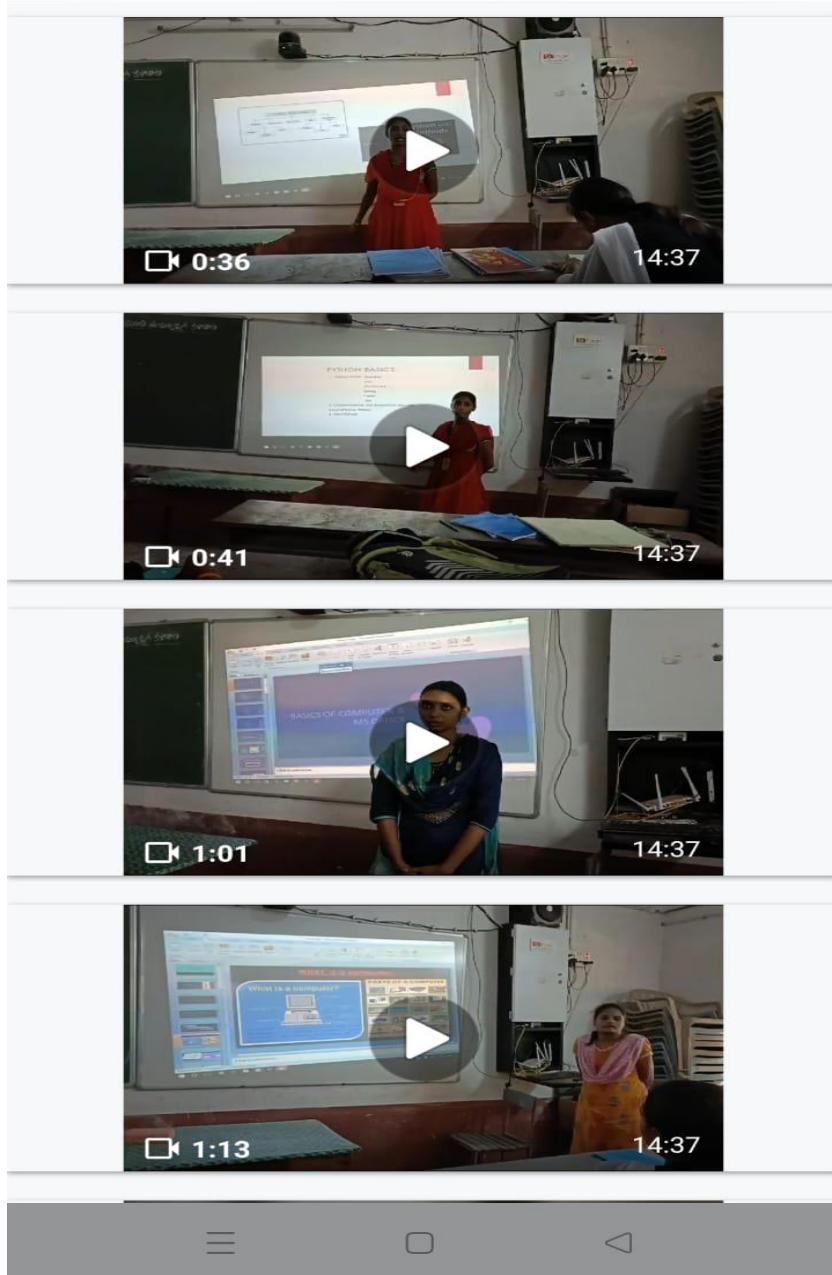


6. Conduct of programmers on Ecosystem and Innovations:

The university holds seminars, group discussions elocution contests, quizzes and other events to showcase student's creative ideas for ecosystem improvement and protection. Students are to visit different universities Botanica Gardens' and fields in order to observe, comprehend and develop new ideas. Our college is also conducted above said competitions at college level and asses the student's ideas towards Ecosystem knowledge.







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0:41 14:37

1:01 14:37

1:13 14:37



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7. Lab to School Programme:

College students visit the near by schools of our area to share their knowledge of practical's with the other students of schools.





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8. Open Day Programme:

With instructions of the commissioner of collegiate education Government of Andhra Pradesh, framed the OPEN DAY programme to gain broader understanding of Higher Education system. Our college is organized “OPEN DAY” programme in our college. In this programme the students of Junior colleges under nearby are visited our college, they keenly observed the Science laborites, library, Gymnasiums, JKC, Virtual Class room and Digital Class room and other infrastructural facilities available in this college.





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9. Rallies:

The institution conducts rallies on every important occasions like AIDS Day, YOGA Day, Environment Day, Ozone day in order to create an awareness among the public.





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10. Celebration of Important Days:

The college celebrates important days by all the department listed below to inculcate the their importance's like

1. Literacy day
2. Mother Tongue Day
3. Indian Constitution Day
4. National Voters Day
5. World population Day
6. Consumer Day
7. Environment day
8. National Mathematics Day
9. National Science Day
10. Ozone day
11. Human Rights Day
12. National Women's day
13. Observation of Library week
14. Observation of consumer week



ఫునంగా శ్రీనివాసు రామానుజన్ జయంతి



ద్వార లాయారాఫ్టు పట్టిరిందిన విషాంకువు ప్రాంతములలో ముగ్గులమాచంల్ గతిపూర్వకా వేసిన విధానిములు



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11. Poster Presentation:

In the important occasions like Ganitha Astavadhanam, Ozone Day, World wetland Day, Science exhibition our college students make different posters with their own idea and exhibit them.



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12. Community Survey Projects:

The students got opportunities to study and gain practical experience and a knowledge of social problems and industry working system through community service projects and Internship. Keeping Innovation in view and to encourage the students towards research and to create research interest in the minds of the students right from the UG level, Commissioner of Collegiate Education, Andhra Pradesh introduced community service project after 2nd semester 2 month internship after 4th semester in summer vacation and 6 month internship after 4th semester. As per the guidelines of the program, the college has appointed a coordinator to encourage teachers and students to carry out study projects of their choice and to organize the project selection program. Many projects have been carried out by students of various departments under the supervision of their scholastic teachers and have been selected for the District Level Presentation. In fact, this initiative has certainly create and transferred the knowledge in research eco-system of the college.





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13. MOU's and Collaborations:

Our college has developed Memorandum of Undertaking (MOU) and Collaborations to gain knowledge through extension lectures and students exchange programmes etc.

S.No	Name of the department	MOU/Collaboration with
1	College	LIXIL INDIA PVT.LTD, Bhimadole
2	Physics	Arnav Polymer PVT.LTD, Unguturu
3	Mathematics	Government Degree college, Eluru
4	College	PB Siddhartha College of arts and Science, Vijayawada
5	Political Science	SCIM Government Degree College, Tanuku
6	Political Science	DRG Government Degree College, Tadepalligudem
7	Commerce	Andhra Bank

8	Economics	DRG Government Degree College, Tadepalligudem
9	History	DRG Government Degree College, Tadepalligudem
10	College	Sir C R Reddy, College, Eluru
11	Commerce	Co-Operative Society bank, narayanapuram





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14. Vermi compost:

The Institution promotes Vermi composting a sustainable way to manage organic waste. By using of earth warms to decompose organic way, the institution promotes sustainable waste management practices that benefit to society. The Vermi composting method also produces nutrient which compost, promoting sustainable agriculture.



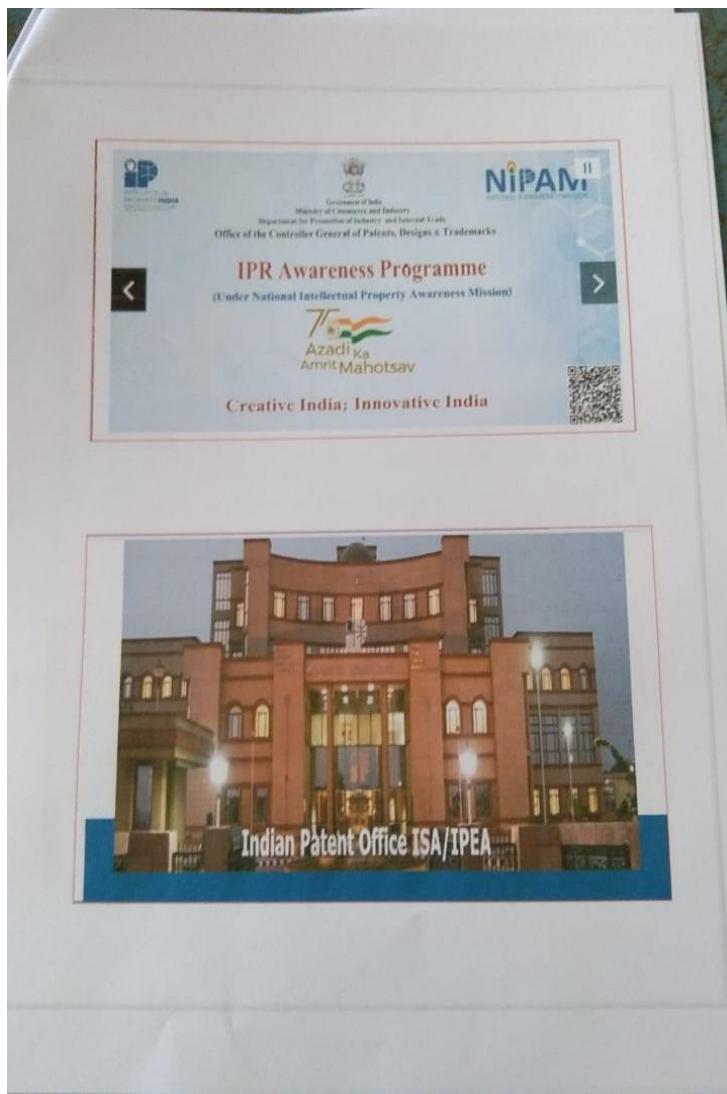


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15. Seminars on IPR and encouraging Research zeal among students:

The Institution conducts seminars on Intellectual Property Rights to educate students on the importance of protecting their innovations and creations. By encouraging the students to protect their innovation our SAS Government Degree college Narayanapuram fosters entrepreneurship on intellectual property Rights among students.



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INTELLECTUAL PROPERTY INDIA

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Indian Patent Law

Act

- [The Patents Act 1970 \(Hindi\) \(pdf\) \(incorporating all amendments to 25-06-2017\)](#)
- [The Patents Act 1970 \(English\) \(Hindi\)](#)
- [The Patents \(Amendment\) Act 1999, 28 March 1999 \(English\) \(Hindi\)](#)
- [The Patents \(Amendment\) Act 2002, 25 June 2002 \(English\) \(Hindi\)](#)
- [The Patents \(Amendment\) Act 2009 \(English\) \(Hindi\)](#)

Rules

- [Gazette Notification of Patent \(Amendments\) Rules 2013](#)
- [The Patents Rules, 2003 - \(Hindi\) \(pdf\) \(incorporating all amendments to 25-06-2017\)](#)
- [The Patents Rules 2003 \(English\) \(Hindi\)](#)
- [The Patents \(Amendment\) Rules 2005, dated 26-12-2004 \(G.O. No. 1418 \(E\) \(English\) \(Hindi\)](#)
- [The Patents \(Amendment\) Rules 2006, dated 05-05-2006 \(G.O. No. 657 \(E\) \(English/Hindi\)](#)
- [The Patent \(Amendment\) Rules, 2012 \(English/Hindi\)](#)

