



Education for the Future

Eco Friendly: Paperless Education

an initiative by Prof. Dinesh C. Sharma

“ दश कूपसमा वापी, दशवापी समोहद्रः।
दशहृद समःपुत्रों, दशपुत्रोसमो द्रमुः।”

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Introduction

Our environment is suffering, due to our own wrong doings. We owe it to this planet to save what resources we have left therefore the teachers of this institution have tried to take a step in the right direction, by taking up an initiative to save two main resources, trees and water.

Prof. (Dr.) Dinesh C. Sharma - The Pioneer

Dr. Sharma, the Head of Department for Zoology at **K. M. Govt. Girls. P. G. College, Badalpur** came up with the idea to start a completely paperless class back **in 2018**, through many hardships, he with the help of the rest of their faculty and funding from the **RUSA Scheme by the Government of India** were able to bring this idea to reality for their first batch of 2018 for **M. Sc. in Zoology at KMGGPGC**



ESTD. 2007
PROF. DR. DINESH C. SHARMA
HEAD ZOOLOGY
B.VOC NODAL OFFICER
BUMBUL ZEHRA-RA



The Procedure

All students from a batch are provided with Apple iPads and Apple Pencils, for a seamless and notebook-like experience, allowing them to write on digital screens, like they would on a paper notebook.

The teachers, as well, are provided with iPads given special access to their students' devices, to maintain a disciplined curriculum. Once a batch graduates, the iPads are reset and transferred over to the next batch. Basic facilities of internet, smart classrooms are provided by the college and eBooks for their subjects and educational apps are all pre-loaded on the devices. The students are allowed to take them home to continue studying throughout their course.









Why the hassle?

Dr. Sharma's main goal behind the project was to help save paper. As per his research, 1 A4 Size (72GSM) paper can take **upto 2Lts of water** during processing. A student on average uses an entire oak trees' worth of paper through their three year period. If you do the math **over 350 million students** are pursuing their higher education in India, therefore consuming **approx. 120 million oak trees** and **300 billion Lts of water**, every year.

WESTERN FOOD SCIENCE OF JERSEY
INVERTEBRATES
Fundamentals of
Biochemistry
ANIMAL BIOLOGY

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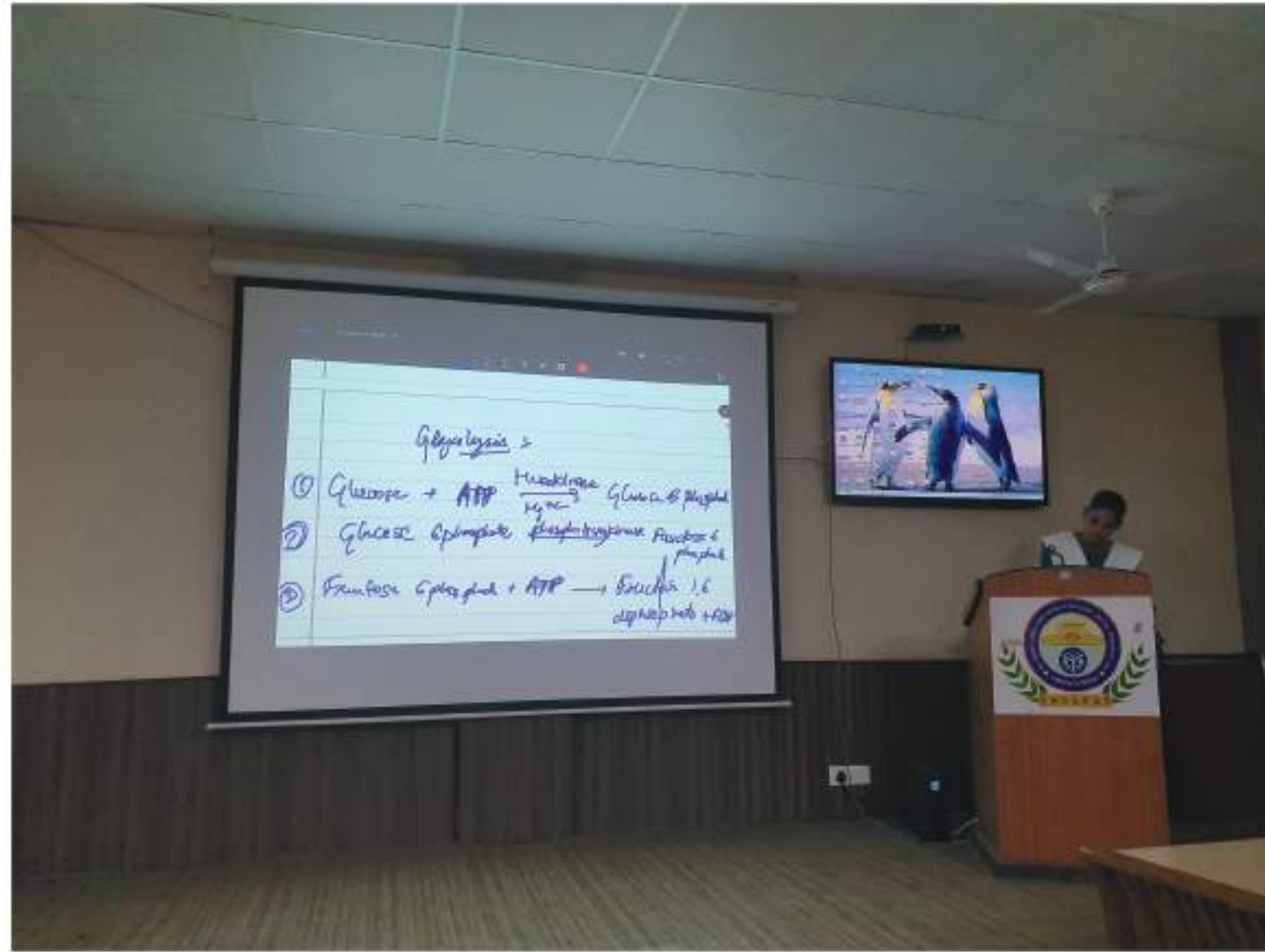
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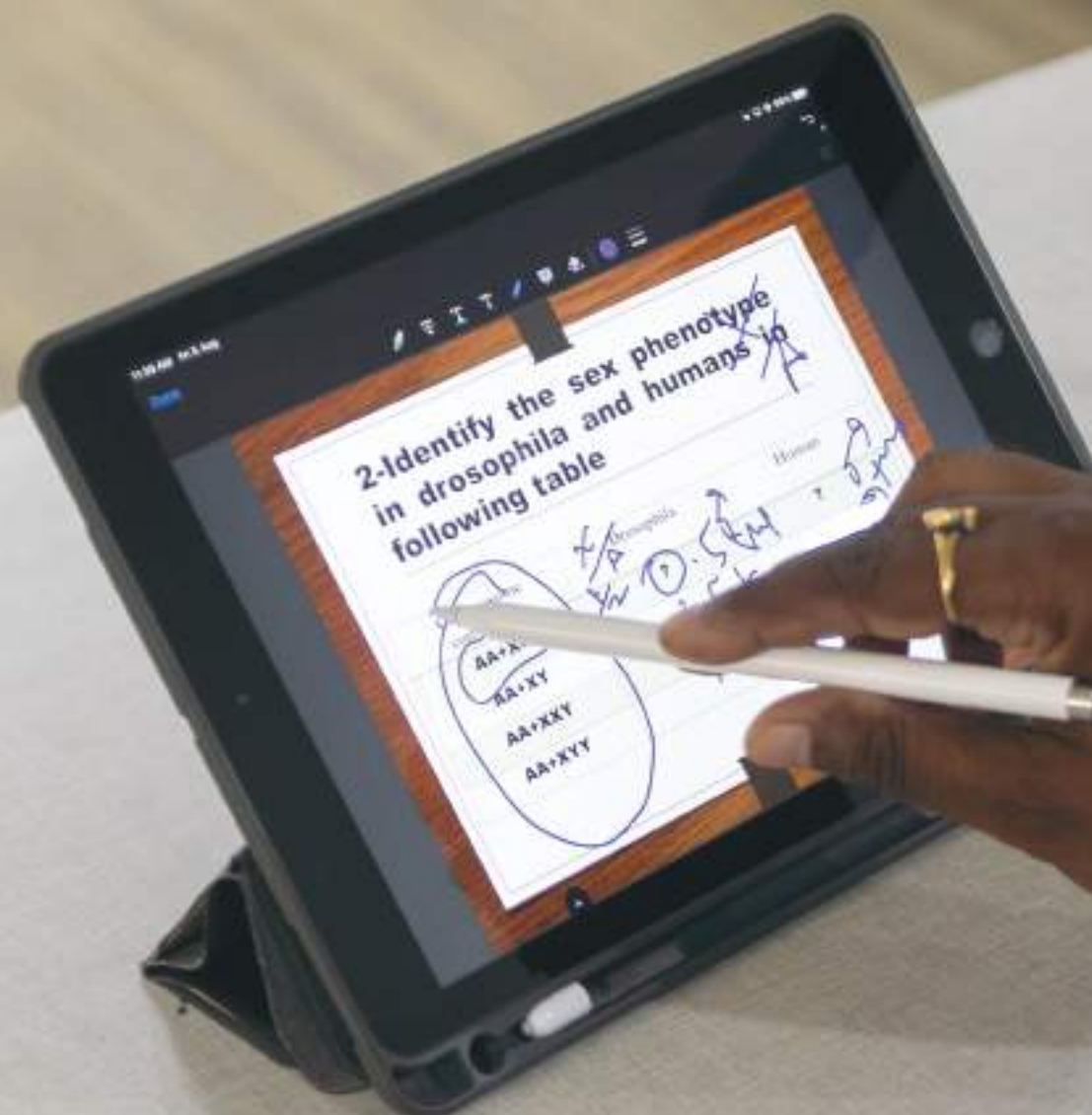
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Future Proof

This initiative started in 2018, two entire years prior to the 2020 Pandemic which is when it took its pace. With the world in lockdown and students struggling with online education, Dr. Sharma's idea helped his students continue their studies with ease, since they were already used to it.

Not only this, paperless education has multiple other benefits, such as: massive weight savings in carrying and iPad supposed to thick books everyday, having a unlimited online gallery of books and study material accessible from anywhere. In order to promote this practice, Dr. Sharma has provided digital notes, and signed assignments on KMGGPGC's website.





2-Identify the sex phenotype in drosophila and humans following table

$AA+X$
$AA+XY$
$AA+XXY$
$AA+XYY$



Other initiatives

As good as this idea is, it is unfortunately not enough to help with our resource crisis.

Therefore, KMGGPGC has taken more steps towards a more eco-friendly future.

Having installed Solar Panels throughout the roofs of the college buildings as a source of alternative energy. As well as Green Audit (naming different varieties of trees and plants)

throughout the campus to create awareness amongst the students and faculty.

Weekly carpooling is something the teachers themselves take responsibility for.



Grevillea robusta

आस्ट्रेलियन सिल्क ओक



What's next?

Having successfully run paperless classes for **over 4 years now**, Dr. Sharma's motive is to extend this practice throughout colleges across Uttar Pradesh, helping student from the rural parts of the state, and eventually spanning across the entire nation.



बादलपुर, गौतमबुद्ध नगर (उ.प्र.) - 203207

प्राचार्य/प्राचार्या

क्रमांक	नाम	कब से	कब तक
1.	श्रीमती पुष्पा रानी दोहरे	04.09.1997	05.09.2000
2.	डा. विजय लक्ष्मी शर्मा	06.07.1999	21.07.2000
3.	डा. रमा सहारिया	22.07.2000	27.07.2000
4.	डा. संध्या रानी	28.06.2001	16.07.2001
5.	श्रीमती राजेश्वरी देवपा	17.07.2004	20.07.2004
6.	डा. विजय शंकर	21.06.2007	17.11.2007
7.	डा. नरेन्द्र कुमार जैन	18.11.2010	21.02.2011
8.	डा. विजय शंकर	22.02.2011	30.06.2011
9.	डा. अश्वनी कुमार गोयल	01.07.2011	19.12.2011
10.	डा. नरेन्द्र कुमार जैन	20.12.2012	31.12.2012
11.	श्रीमती रंजना जैन	01.07.2013	01.07.2013
12.	डा. ज्योत्सना गर्ग	01.08.2013	01.08.2013
13.	डा. करुणा सिंह	11.05.2014	11.05.2014
14.	डा. दिनेश चन्द्र शर्मा	01.06.2014	01.06.2014
15.	डा. दिव्या नाथ	12.07.2014	12.07.2014



The Team

Prof. Dinesh C. Sharma

Prof. Surender Kumar

Dr. Neetu Singh

Dr. Azad Alam Siddiqui

Miss. Sumbul Zehra

thanks for turning the pages

a special thanks to **Prof. (Dr.) Divya Nath**, the principal at KMGGPGC and the faculty for allowing me to shoot this story at their premises, more information about this topic is available at <https://www.kmgcbadalpur.org/paperless-ecofriendly-class/>



photographed and designed by **Ajeant Sharma**

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दशह्लद समःपुत्रों, दशपुत्रोसमो द्रमुः।

*One step is equal to ten wells,
one pond is equal to ten stepwells,
one son is equal to ten ponds and
one tree is equal to ten sons.*

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