

National ICT award -2017

Mohan.K.R

Block Resource Person.

Block resource Center.

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Karnataka.



Qualification: MSc.Bed.

Appointed in June 1999 as biology teacher in rural govt high school.

National ICT award -2017.

- **My journey in ICT.....**
 1. **Computer and biology teacher.**
 2. **Basic computer knowledge.**
 3. **ICT in visualization and observation.**
 4. **ICT in developing PPT of science chapters.**
 5. **ICT and field visit.**
 6. **ICT in science lab**
 7. **ICT working as MRP.**
 8. **ICT in educational video creation.**

● **My journey in ICT.....**

- In 2000 I started learning basic computer windows 98 and Microsoft office.
- Simply used computer to see Edurite biology educational videos.
- I tried to show the animations in that CD to my students.
- In 2005 my school selected for ICT Phase-2. We received 10 computers to teach basic computer.
- I shown some animals and plants pictures on screen using projectors.
- As the visualization and observation is very important in studying biology, I start to brows biology pictures. Students also involved in browsing.

Observation and Visualization



Antarctica



Animals in Antarctica



● Importance of visualization and observation in biology.

Amphibian : Frog



- **Importance of visualization and observation in biology.**
- **Legless amphibian :**
- **Ichthyophis**

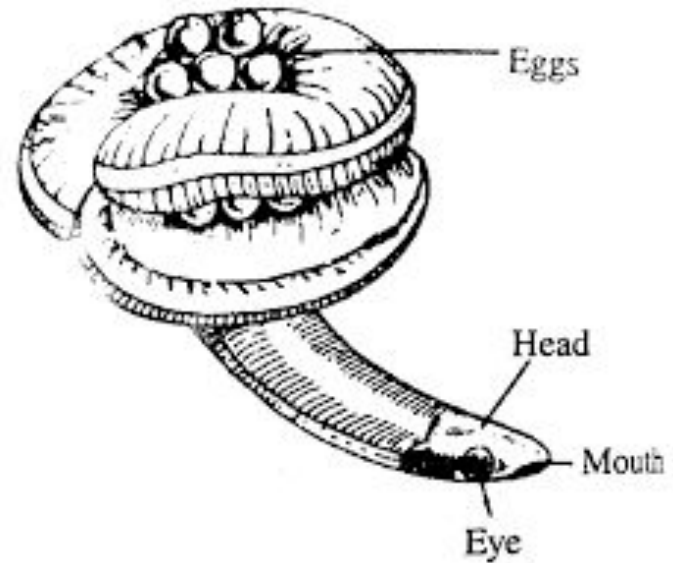


Fig. Ichthyophis



- **Importance of visualization and observation in biology.**
- **Legless amphibian :**
- **Ichthyophis**



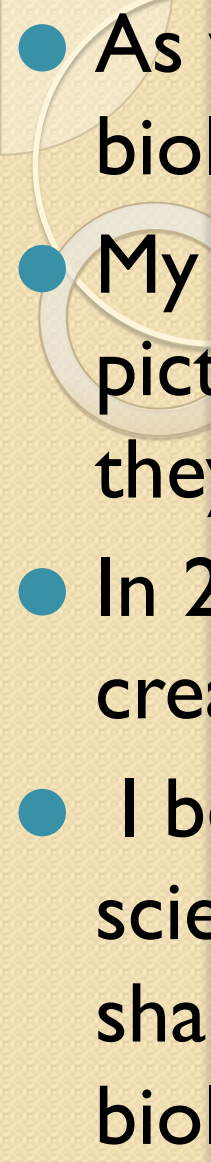
- **Importance of visualization and observation in biology.**

- **Tailed amphibian : newt.**



- **The flying mammal: lemur ?**



- 
- As visualization and observation is important in biology, I start to prepare PPT for all topics.
 - My students also involved in doing PPT by browsing pictures, typing notes, discussing on concept how they understood.
 - In 2013 On IT for change and DSERT project we created Google groups of Science teachers.
 - I became one of the manager to add teachers. All science teachers of Karnataka joined this group to share their knowledge on improving pedagogy in biology.

As they developed KOER- Karnataka open education resource to collect resource materials. I contributed all my PPTs in KOER for all chapters of biology and chemistry.

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karnatakaeducation.org.in/KOER/index.php/ಜೀವಕೋಶಗಳ_ಅಧ್ಯಯನ ... Search

Most Visited Getting Started ICT: Central Institute ... (1) WhatsApp

ಮತ್ತಷ್ಟು ಮಾಹಿತಿ

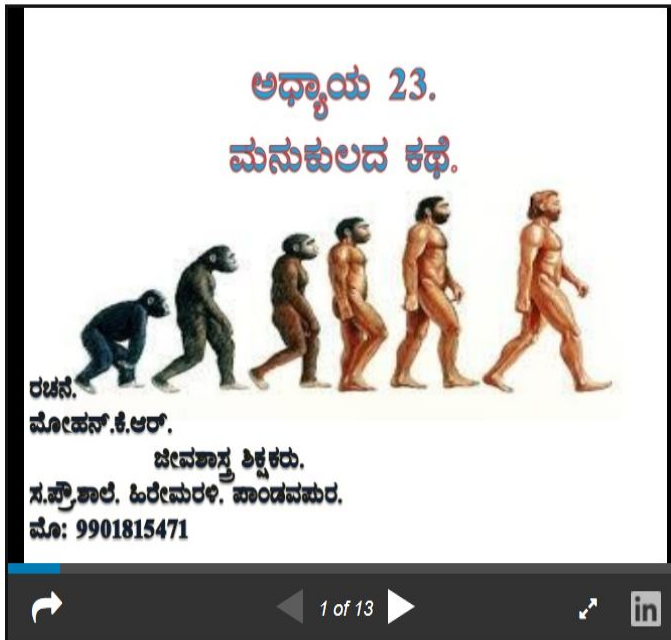
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ಜೀವಶಾಸ್ತ್ರ ಶಿಕ್ಷಕರು.
ಸ.ಪ್ರೌ.ಶಾಲೆ, ಹಿರೀಮರಳಿ, ಪಾಂಡವಪುರ.
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ಸಹಾಯ;
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ಸ.ಪ್ರೌ.ಶಾಲೆ, ಹಿರೀಮರಳಿ.
ಪಾಂಡವಪುರ

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1. download PPT fromat the link <http://www.slideshare.net/mohanbio/8th-chapter-5-study-of-cells-by-mohanbio>

ಎನ್ ಸಿ ಈ ಆರ್ ಟಿ ಪಠ್ಯಪುಸ್ತಕಗಳಲ್ಲಿ ಚರ್ಚಿಸಿರುವ ವಿಷಯಗಳ ಹರಿವು



1. Link for to download as PPT format <http://www.slideshare.net/mohanbio/chapter-23-human-evolution-by-mohan-bio-56427822>



1. Link for to download as PPT format <http://www.slideshare.net/mohanbio/10th-science-quize-chapter-5-by-mohanbio-51615238>

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1. <http://ncert.nic.in/NCERTS/textbook/textbook.htm?iesc1=7-14>
2. <http://ncert.nic.in/NCERTS/textbook/textbook.htm?kebo1=3-22>

- I created PPTs of std 8th to 12th biology and also shared in Slideshare.net. It helped not only my students for other school students as it is open resource.
- https://www.slideshare.net/mohanbio/edit_my_uploads

Chapter 24 by mohan bio

2 years ago, 107 slides

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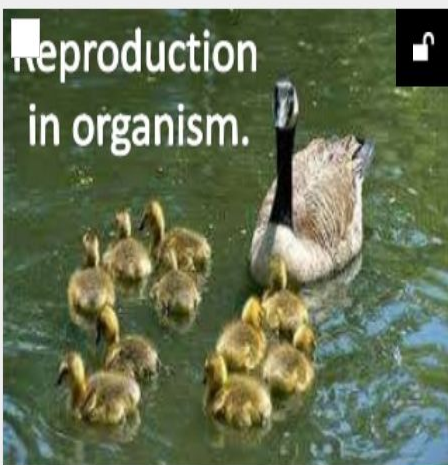
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Chapter 1.Reproduction in organisem

4 years ago, 112 slides

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Child centric PPT

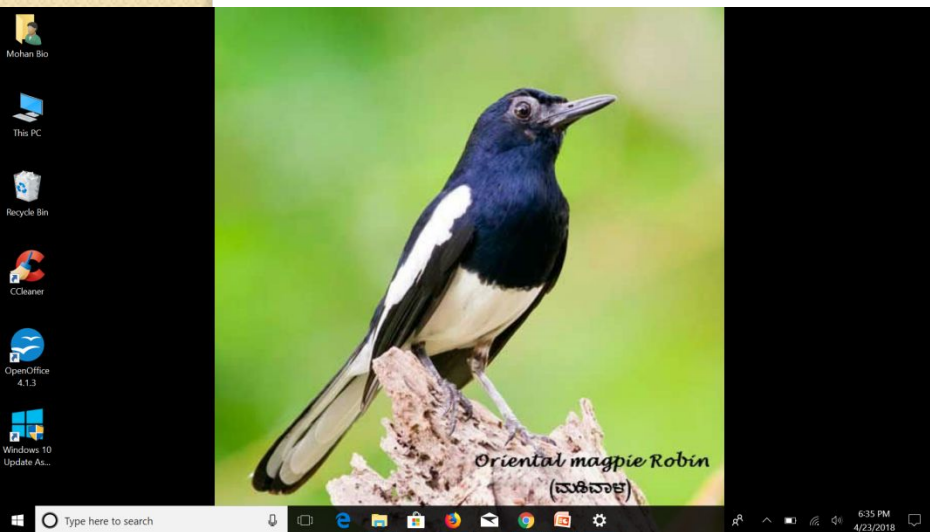
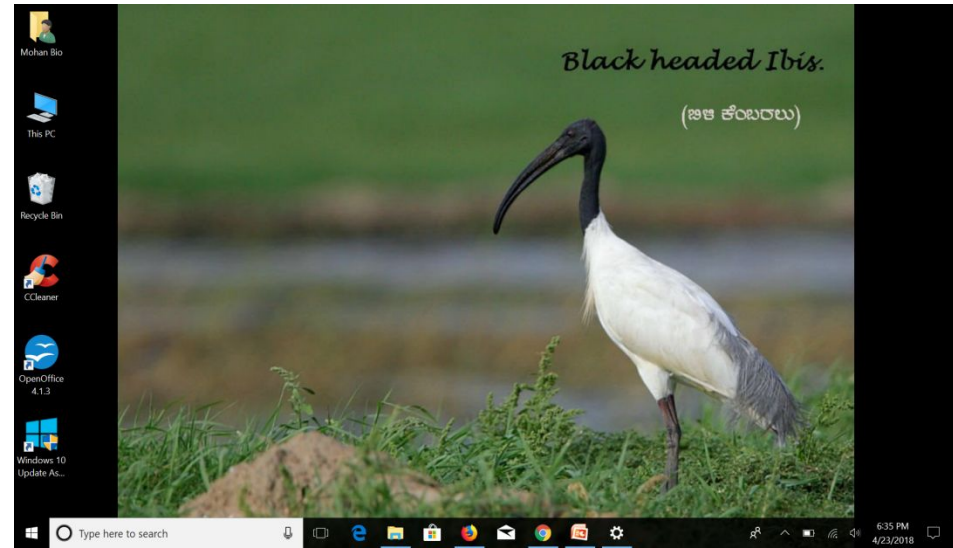
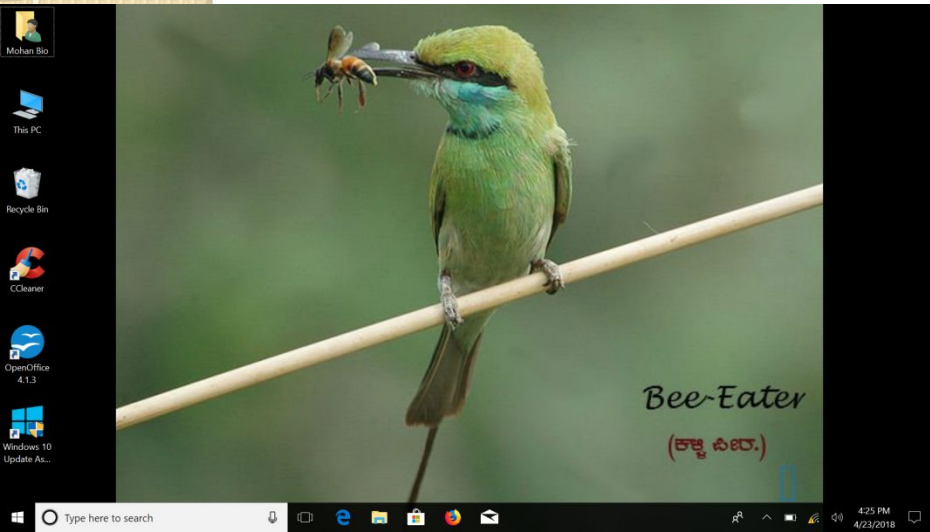
- As I create PPT, It is child centric to understand concept. It helps students to understand concepts.
- Example:



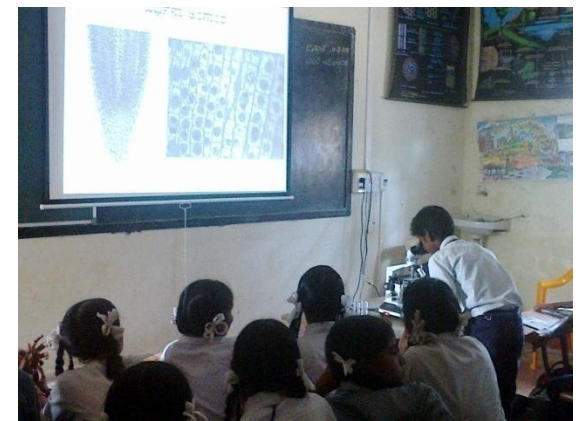
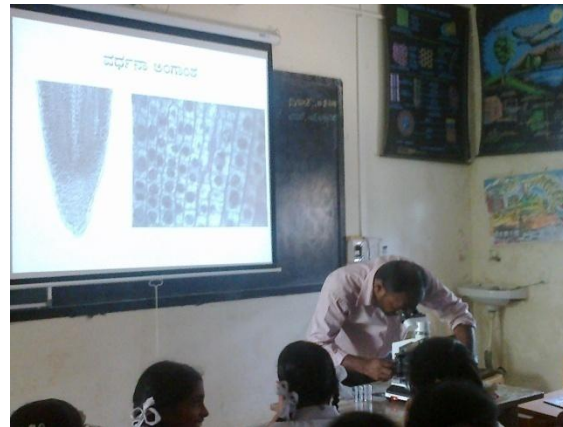
- **ICT in field study.**
- Every year I conduct nature camp in Ranganathittu bird sanctuary. Before the camp I used ICT to show different birds with their name. students can easily identify these birds in field and also in their surrounding.
- It helps in esthetic sense on birds and also conservation of ecology.



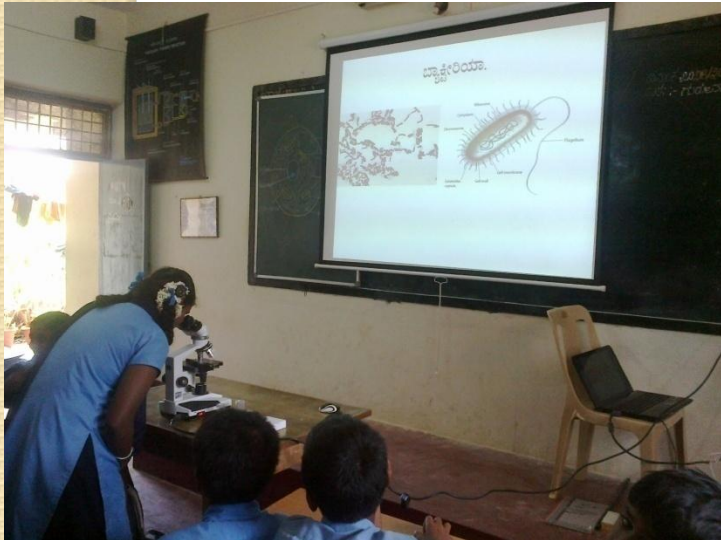
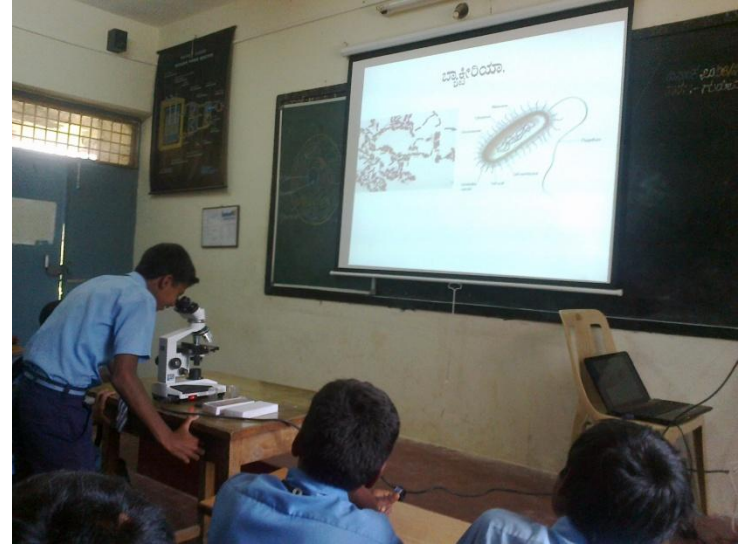
My Desktop Background



- **ICT in biology laboratory.**
- I converted my laboratory in to digital laboratory.
- The students will handle binocular microscope to study micro-organisms, cells and tissues.
- The same slide picture is displayed in screen. It helps for better observation.
- Now students using USB cam to microscope to see live microbes in large screen.



Digital laboratory.



ಇವುಗಳನ್ನು ಶಿಕ್ಷಕರಿಗೆ ಹಂಚಲು ಮಾಡಿರುವಂತಹ ಟಿಪ್ಪಣಿ

ಚಟುವಟಿಕೆಗಳು

1. ಚಟುವಟಿಕೆ ಸಂ 1, ಪರಿಕಲ್ಪನೆ ಹೆಸರು - ಚಟುವಟಿಕೆ ಸಂಖ್ಯೆ "

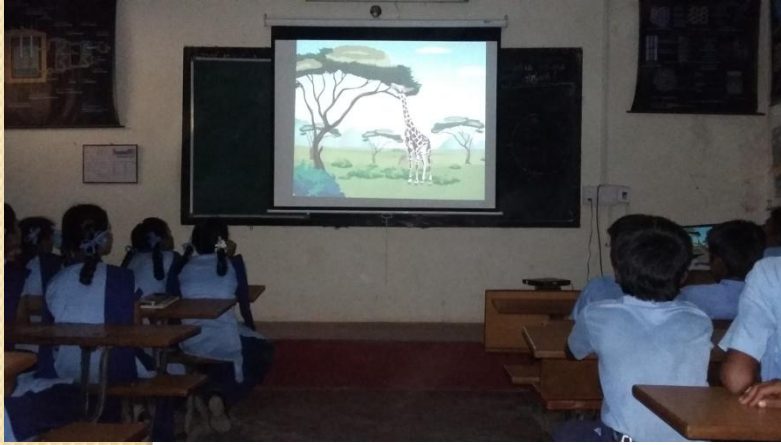
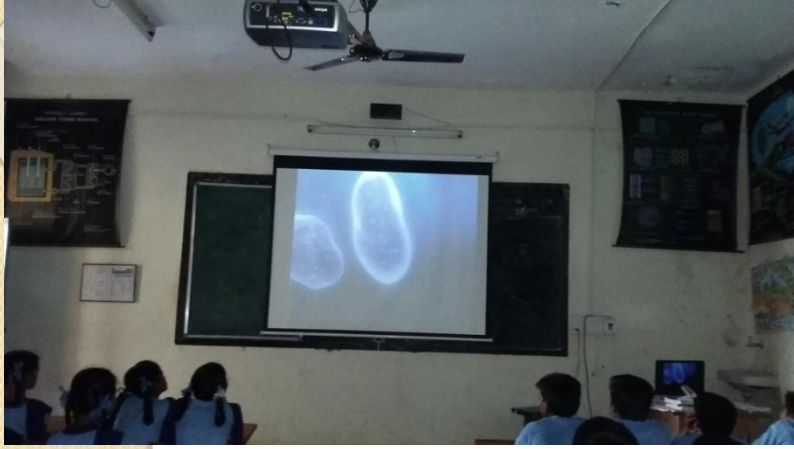


1. Link to download in PPT format <http://www.slideshare.net/mohanbio/10th-chapter-6-lab-actiitiy-by-mohanbio-2>

- **ICT to show science and environmental videos.**
- Every Saturday after class hours 1 to 2 Hrs film show program is arranged. Science videos, science experiment videos, environmental awareness videos are played to enrich students knowledge.



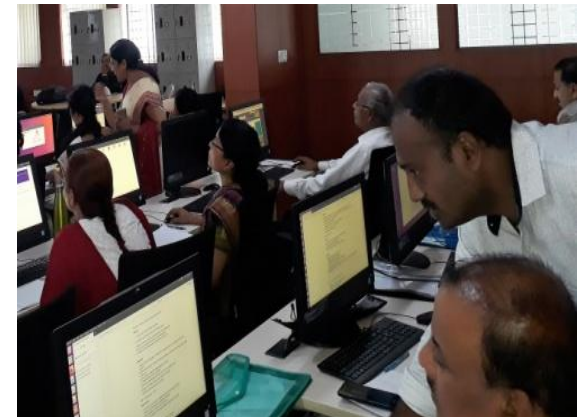
● ICT to show science and environmental videos.



ಕಾನ್ಫೆಂಟ್‌ಗಳನ್ನೂ ನಾಚಿಸುವ ಸರ್ಕಾರಿ ಶಾಲೆ!
ಪ್ರಜಾವಾಣಿ.htm

Master resource person In IT@School program.

- From 2016 I am working as a MRP and Mentor in ICT curriculum Induction training. In Mandya Dist I trained more than 250 teachers. Now I started to create video lessons.




ICT in educational video creation.

- DSERT and khan academy selected me to creat more videos.
- My video lesson is,
- <https://www.youtube.com/watch?v=49X5UTziJeY&t=146s>.
- Video.

Student Performance analysis.

- I use Microsoft excel to maintain marks register and analysis.
- FA activities.
- Marks analysis.



**Thanks for providing opportunity
to biology teacher to involve in
ICT.**

Thank you all