



## Online Blended Learning Webinar by DK Son 22-10-2020

Webinar on Online Blended Learning - A Paradigm Change in Teaching - Challenges and Solutions Online Blended Learning - A Paradigm Change in Teaching -

Challenges and Solutions was conducted on Thursday, Oct 22, 2020 by Prof. D. K. Subramanian, Dean and Professor (Rtd), Indian Institute of Science, Bangalore. The objectives of the webinar was to discuss the need, problems, realities, challenges and solutions to the way education emerge in the coming years with online teaching becoming an essential part and the responsibilities imposed on faculty and institution.

The webinar addressed the following aspects in detail:

- Both institutions and faculty need a professional survival kit in addition to a personal survival kit. They need to accept changes rather than fighting them.
- Online learning will bring in a new model of teaching very distinct from distance learning and classroom teaching.
- It is a new normal and so it will not be business as usual. World will move towards more online approaches.
- Good rugged and reliable platforms are being developed by a large group of companies and many are operational already.
- Interactive learning needs to be effectively and positively encouraged.
- Disadvantaged students need special attention.
- While online education will become an integral part, it misses several components of education. Hence a mixed mode is essential.





## Learning outcome on Internet of Things

The outcomes of Online FDP conducted on “Internet of Things Application Development” conducted through CISCO-RVCE CoE from 2<sup>nd</sup> to 6<sup>th</sup> November 2020 under the banner of TEQIP-3 by, PES College of Engineering, Mandya. The following were the outcomes:

1. Introduction and working with Arudino Micro-controller
2. Introduction to Raspberry I
3. Introduction to Serial Communication
4. Demonstration of Building Home Automation using dash board on hosted services
5. Building Customized Dash board using Java Scripts





## STATELEVEL CONVENTION



Students of ISTE Student Chapter participated at the 16<sup>th</sup> State Level Student Convention held at KSIT Bengaluru, they bagged prizes at various events. Sunad of 8<sup>th</sup> Semester has bagged 1<sup>st</sup> Place in “Code Correction” and Yeshwanth LM of 7<sup>th</sup> Semester secured 1<sup>st</sup> Place in “Paper Presentation”

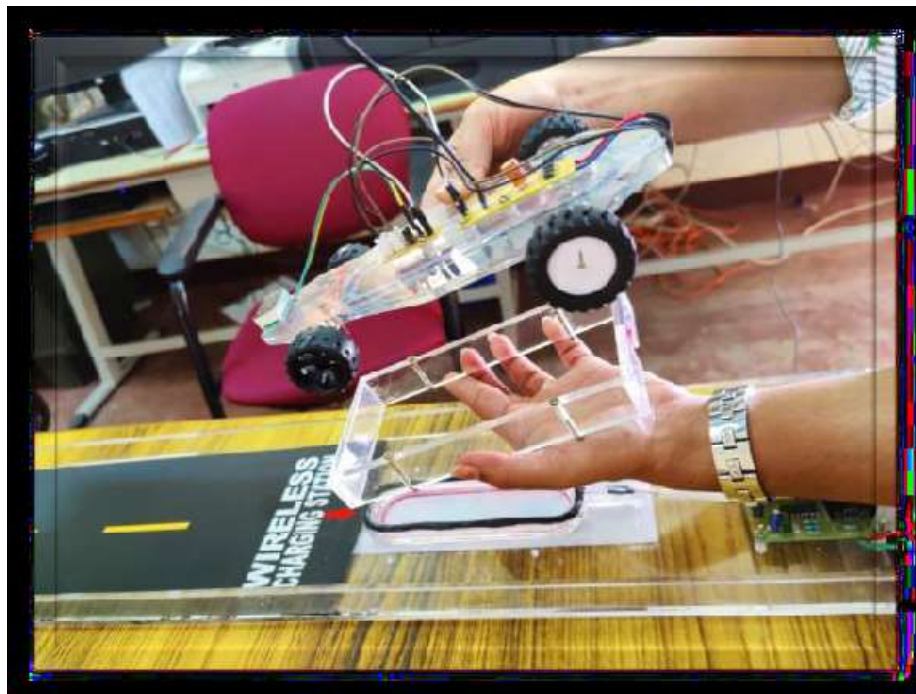


Retained **Rolling Shield** for Mandya district branch by **Indian Red Cross Society** for **consecutively 10<sup>th</sup> year for highest units of blood collected**. The Rolling Shield was received by Chapter Chairman Dr. B S Shivakumara along office bearers Dr. Veena M N, Prof. Sowmya Shree K M and Prof. Shankare Gowda along with the students.



**Wireless Charging of Electric Vehicles Aftab Mehdi, Yashwanth M S, Akshith C P & Anushree U Final year BE students, PES college of Engineering, Mandya GUIDE: Dr. K. M. Jagadeesha, Professor & HOD**

The progress of automobiles for transportation has been progress of civilization. The automobile of today is the result of the pioneering research and development. In the last few years, environmental the petroleum based fuel have increased. For this reason, electric commonly around the world. Now transient period of conventional started. This paper proposes the concept of wireless charging for Electric Vehicles (PEV) is burdened by the need for cable and plug charger, on-board electronics, bulk and cost of this charger and the large energy needed. But by using Wireless Charging systems Wireless charging convenience to the customer, inherent electrical isolation, regulation done ESS size using dynamic on-road charging. The main objectives develop antenna system suitable for vehicle using resonant magnetic technology to electric vehicle charging system. A Resonant wireless charging technology is designed.

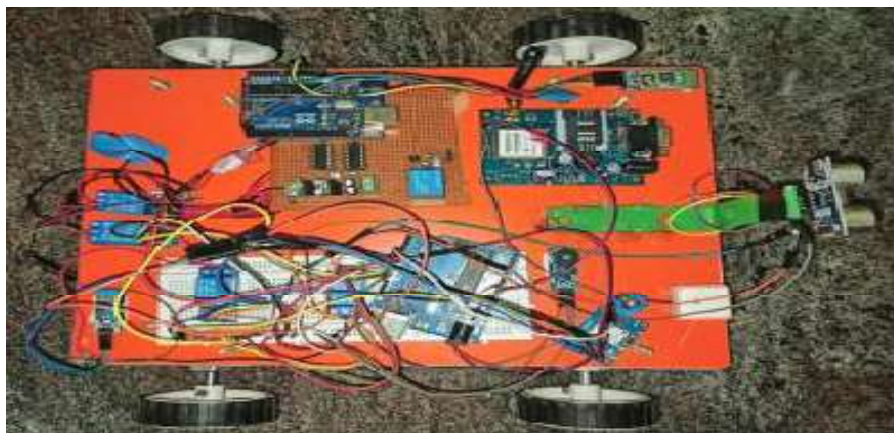




## **A Prototype for a Vehicle with Smart Braking System and Accident Monitoring Device using GPS and GSM module**

**Pushpak Gowda R, Sanchana H S, Sathish Kumar B & Shreyas S Final year BE students, PES college of Engineering, Mandya GUIDE: Dr. N Jagadeesh, Assistant Professor**

Road accidents are a common in today's scenario. Now a day's number of accidents is increases as compared to past. Accidents cause worse damage, serious injury and even death. Accidents prevention has been one of the leading areas for research. Mainly focus on prevention of accidents due to nervousness, loss of control, drunken driving, rash driving etc. Manual methods of applying brakes are always dangerous as it leads to accidents. Unconsciousness of driver, road condition, and uncontrollable speed of vehicle and manual operation of braking systems are the reason of accidents. It is necessary to control brakes automatically through electronics devices to minimize the accident problems. In this project we proposed an effective methodology for automatic controlling of braking system to prevent accidents with the help of electronics engineering The system consists of ultrasonic sensor wave emitter fitted at the front portion of the vehicles and ultrasonic receiver to receive the signal. This reflected wave gives the signal to Microcontroller unit and then the signal is sent to relay switch to apply brakes automatically. It slows down the vehicle by giving a buzzer sound such that driver is also alerted of the obstacle. By using this System we can reduce number of accidents. This project also is to develop a Arduino and GPS tracking system for accidental monitoring. The system consists of cooperative components of an Arduino, microcontroller unit, GPS device and GSM module. If any accident occurs, this device will send mobile phone a short message indicating the position of vehicle by tracing the location of the vehicle through GPS system to family member, emergency medical service (EMS) and nearest hospital. . The threshold algorithm and speed of motorcycle are used to determine fall or accident in real-time.





## Report on Webinar

### Problem Solving and Ideation

**Speaker:** **Dr. Sudeendra Kaushik**  
Chief Innovator & Co-founder, PRASU, Bengaluru.

The session was started with the welcome speech & speakers introduction by our beloved Principal, Dr. H V Ravindra, PESCE Mandya. As the title of the webinar suggests the agenda of this session was to simplify the complex part of Innovation: “Problem Solving and Ideation”.

The webinar was full of new information and new perspective of looking at innovation. The speaker is a well versed expert in the field of Innovation and Idea Generation, and the same was seen all over the session. The speaker made the complete session more interesting by bringing forward many innovation oriented product images and videos. He gave lot of his time to discuss with the young minds regarding Identifying Problems, Finding Solutions and Innovating.

Starting with few of the new ideas, which are creative but not innovative, he started his session and moved on towards the best method to identify a problem as a problem and solving it. The examples and innovative ideas he presented changed everyone’s perspective of looking at innovation. Even though he stated the Innovation is not so easy in the initial stages, he was successful in convincing the young minds that, innovation is something that happens commonly in everyone. His approach towards explain the simplicity of innovation was outstanding. He stressed up on the need for understanding the correct methodology to identify a valuable problem. He also mentioned about different ways to segregate the best method of seeking solutions to the identified problems. He was good at demonstrating many ideas that were seem to be wonderful but failed in the market. He mentioned that, every thought that we get can be an idea, Every Idea can be brought up to a product but, the main thing that we have to keep in mind is the outreach of the product and usefulness of the same at the customer send.

He was very active throughout the session and gave ample amount of suggestions to the audience about the identifying a problem, evaluating the quality of it and coming up with new idea to solve those problems. He spent more than 40 min, answering the doubts and questions of the students and faculties. The interaction between the speaker and audience had many new points and the speaker was very happy answering those. Dr. Kaushik mentioned that, he was completely excited to be a part of this event, as there was ample amount of discussion went on. He was very successful in giving out few of the methodologies to take the ideas in mind to next level and come up with products.



# P.E.S. College of Engineering, Mandya



ARIA  
Atal Ranking 2020

Ranked 2nd  
Under the category of Govt. &  
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139<sup>th</sup>  
Rank  
in  
nirf  
India's Rankings 2021

What is Innovation

NEW  
and  
USEFUL

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prasu  
... be different

Problem solving and Ideation

Dr. Sudeendra Koushik  
Chief Innovator & Co-Founder PRASU, Vice President IEEE TEMS  
Bangalore, Dec 4, 2020

prasu

5:05 / 1:24:10

zoom

To succeed at Innovation & Entrepreneurship.

WHY

SO  
WHAT

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Value is a Critical Success Factor

Value → What's in it for me ← Money

Company ↔ 😊

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How to monetize innovation

Innovation → New PRODUCT  
Innovation → New SERVICE  
Innovation → PATENT

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## Institute Innovation Council

### Report on Webinar

#### “Start Up Entrepreneurship - The Reel Life v/s Real Life Perspectives” Organized under TEQIP–III

At PESCE, the Institution’s Innovation Council (IIC-PESCE) has been established to foster inter action between faculty, staff and students with industry. The objective of the cell is to explore and identify common avenues of interaction with Industry as per the requirements and policies of the institution. In a technologically growing world, industry institute interaction is the epic enter of an engineering institute. Based on this context we are proud to partner with various industries & start-ups to boost excellence amongst students to suit current industry challenges. The Cell works in synergy with industry and the community sector to find innovative solutions for today's problems. We promote students to develop a competitive edge to be industry and entrepreneurial ready along with preparing engineers with skill sets to contribute to the work force of tomorrow.

In this context the webinar was conducted on the **Topic “Start Up Entrepreneurship – The Reel Life v/s Real Life Perspectives” on 22<sup>nd</sup> December 2020.** The program was proposed by our beloved Principal Dr. H. V. Ravindra, TEQIP Coordinator Prof Dinesh Prabhu, Institute Innovation Council Chairperson Dr. Vinay S, Convener Prof. Ullas P and Coordinator Prof. Pooja Nagpal carried forward the event.

The Resource person for the workshop was Debajyoti Banerjee, he is a Founder & CEO at Seven Boats, Google Certified Digital Marketer & Trainer, Brand Strategist, Consultant& Entrepreneur. B.Tech in computer engineering & post graduate diploma in Marketing, Debajyoti has 17+ years of domain experience in digital marketing services & training with 500+ clients & 37K+ students in 70+countries. During the webinar he took the students, faculties and participants through the journey of entrepreneurship, from just the reel life perspective to the real life, the hardship faced, the financial path, avenues and future trends to in vadeasanentre preneur.

Faculties and students across India had registered and participated in the webinar to make the event a successfully one.





### How to sustain?

- Stay Efficient & Relevant: One way in which to grow your business is to maximize your operational efficiency
- Capitalize On Your Brand: Building a reputable and trustworthy brand can go a long way toward helping your business grow
- Keep Your Customers happy & make well speak
- Connect With The Community
- Right decision making
- Leadership & building a right team
- Dream big and execute in a bigger way
- Keep on doing what's working and get out of what's not working ASAP
- Focus on recurring revenue stream. Keep expenses low. Work on turning cash flow

### How to start? Prerequisites

- Focus on your strength. Do your own SWOT analysis
- Be analytical. Keep a problem solver attitude, not a problem solver
- Be ready to embrace all odds and be happy of your own
- Self motivation is important, as well as flexibility. Good Change is constant
- Consistency is the key. Also do market research & come up with innovation
- Keep a helping attitude. Don't run after money always
- Focus to add excellent value whatever you do
- 4E formula to follow - Be Energetic, Energize others, Execute & Be empathic
- Ready to always upgrade your skill, up skill, multi skill. Unknown & learn
- Be calculative. Learn to take risks. Keep back ups. Keep a clear exit strategy
- Always keep a contingency plan. Keep eye on changing technical landscape
- There is nothing perfect. Fast & incremental execution matters a lot. Make a blueprint, projection plan for next 6-12 months, validate it and start towards your goal. Talk to a mentor or learn a new skill before you start

### Connect with me



**Debajyoti Banerjee**  
 Founder & CEO, Seven Boats Info-System Pvt Ltd.  
 Founder & CEO of Seven Boats. 15+ years of domain expertise. Published & invited by 12+ top B Schools & Management Institutes of India including IIM, IIT. Awarded as digital marketing visiting faculty in 2+ premier B schools in Kolkata. 30+ events, conferences & featured in premier magazines, trade-journal of LinkedIn.

Facebook: <https://www.facebook.com/debjyoti7boats>  
 LinkedIn: <https://in.linkedin.com/in/debjyotibanerjee>  
 Twitter: <https://twitter.com/debjyoti7boats>  
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 More about us - <https://www.7boats.com/academy/>  
 Join our training group - <https://www.facebook.com/groups/7boatsacademy>

### Connect with me



**Debajyoti Banerjee**  
 Founder & CEO, Seven Boats Info-System Pvt Ltd.  
 Founder & CEO of Seven Boats. 15+ years of domain expertise. Published & invited by 12+ top B Schools & Management Institutes of India including IIM, IIT. Awarded as digital marketing visiting faculty in 2+ premier B schools in Kolkata. 30+ events, conferences & featured in premier magazines, trade-journal of LinkedIn.

Facebook: <https://www.facebook.com/debjyoti7boats>  
 LinkedIn: <https://in.linkedin.com/in/debjyotibanerjee>  
 Twitter: <https://twitter.com/debjyoti7boats>  
 WhatsApp: +91 80170 49042  
 Email: [debjyoti@7boats.com](mailto:debjyoti@7boats.com)  
 More about us - <https://www.7boats.com/academy/>  
 Join our training group - <https://www.facebook.com/groups/7boatsacademy>

## Webinar on digital entrepreneurship

— By Debajyoti Banerjee,  
 Founder & CEO of Seven Boats - Premier Digital Marketing Agency & Training Institute in India

<https://www.7boats.com>  
<https://www.7boats.com/academy>



## “Orientation Day” on 28/12/2020



Dr. H .V. Ravindra & College academic & administrative staffs. PESCE, Mandya addressed the students of 1st year B.E regarding “Importance of skill, Importance of knowledge, How to Achieve goal, Campus facilities, Accomplishments, programmes offered, Academic activities, Academic rules and regulations & Examination Rules & Regulation.

Sri. S L Shiva Prasad Honourable Secretary, PET, Mandya Presided over the event in the absence of Sri K S Vijay Anand and explained about 'Importance of skill, Importance of knowledge’, He also briefed students about How to Achieve goal with lot of great examples and quoted examples of great leaders who have reached tremendous achievement without any financial and family backgrounds.



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## “Alumni affairs and TEQIP facilities at PESCE Mandya” (29-12-2020)

**P E S College Of Engineering, Mandya**  
(An Autonomous Institution, Affiliated to VTU, Belagavi, Aided by Government of Karnataka, Approved by AICTE, New Delhi)

**Orientation Day & Induction Program**  
Academic Year (2020-21)

147<sup>th</sup> Rank in ARIA 2020  
2<sup>nd</sup> Rank in NAAC  
NBA  
2<sup>nd</sup> Rank in ARIA 2020

**B.E ADMISSIONS 2020-21**

**Placement Statistics From Last Five Years**

Year	Total Students	Placed	Placed %
2015-2016	478	425	88.9
2016-2017	485	434	89.5
2017-2018	393	322	81.9
2018-2019	406	346	85.2
2019-2020	428	372	87.2

Dr. B. Dinesh Prabhu  
TEQIP Coordinator

**Hearty Welcome**

Dr B Dinesh Prabhu (TEQIP Co-ordinator, PESCE Mandya) was speaks about centered around sharing Logistic and financial support provided by TEQIP to the students and staffs of PESCE and how the future batches can plan to get the best of available resources in college. He also highlighted the facts about how the Financial and Technical support from TEQIP helped improving in Teaching, Learning and Research Competence in the institute. He also threw light on twinning activities undertaken by PESCE and how it can help PESCE and the twinning institute to achieve greater heights.

Dr. Sanjay Coordinator for alumni affairs chalked a brief working hierarchy of alumni affairs office at PESCE and highlighted students how they can utilize the office of Alumni affairs for their own personal growth and highlighted the list of Alumnus who created an impact on the society both in India and internationally. During his interaction with student community he also gave more updates about social media and E-News letter to connect alumnus network.



## Research Activities





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139<sup>th</sup>  
Rank

nirf  
NATIONAL INSTITUTIONAL  
RANKING  
Quality of Education Indicators  
India Rankings 2021





# P.E.S. College of Engineering, Mandya



ARIA  
All India Ranking  
Atal Ranking 2020

Ranked 2<sup>nd</sup>  
Under the category of Govt. &  
Self-Aided Institutions & Colleges

An Autonomous Institution affiliated to VTU, Belagavi, Aided by Govt. of Karnataka,  
Accredited by NAAC & NBA (6 UG Programmes), New Delhi.

139<sup>th</sup>  
Rank

nirf  
NATIONAL INSTITUTIONAL  
RANKING  
Quality of Education Indicators  
India Rankings 2021





**Roll No: NPTEL20CE48S42000025**

**To** ASHWIN C A  
 DEPARTMENT OF CIVIL ENGINEERING  
 PES COLLEGE OF ENGINEERING  
 MANDYA  
 KARNATAKA - 571401  
 PH. NO :9620555246



**Duration of NPTEL course: 4 Weeks**

No. of weeks of NPTEL Courses	Equivalence of NPTEL course with regular FDP
4	$\frac{1}{2}$ FDP of one week
8	Full FDP of one week
12	$1\frac{1}{2}$ FDP



## NPTEL-AICTE Faculty Development Programme



(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to  
**ASHWIN C A**  
 for successfully completing the course  
**Geotechnical Engineering Laboratory**  
 with a consolidated score of **88 %**

  
 Prof. Andrew Thangaraj  
 NPTEL Coordinator  
 IIT Madras

(Sep-Oct 2020)

  
 Prof. Dileep N. Malkhede  
 Advisor-I (Research, Institute & Faculty Development)  
 All India Council for Technical Education

Roll No: NPTEL20CE48S42000025 To validate and check scores: <http://nptel.ac.in/noc>

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.  
 This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24<sup>th</sup> July 2018, similar to other refresher / orientation courses.  
 F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



# P.E.S. College of Engineering, Mandya



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Accredited by NAAC & NBA (6 UG Programmes), New Delhi.







**Roll No:NPTEL20ME48S31210297**

**To** RANJITH K  
#1657/1, ANAGHA NILAYA  
2ND CROSS, VIDYANAGARA  
MANDYA  
KARNATAKA - 571401  
PH. NO :8073290872

**Duration of NPTEL course: 4 Weeks**



No. of weeks of NPTEL Courses	Equivalence of NPTEL course with regular FDP
4	$\frac{1}{2}$ FDP of one week
8	Full FDP of one week
12	$1\frac{1}{2}$ FDP



## NPTEL-AICTE Faculty Development Programme



(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

**RANJITH K**

for successfully completing the course

**Principles of Vibration Control**

with a consolidated score of **76 %**



Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras

(Sep-Oct 2020)

Prof. Dileep N. Malkhede  
Advisor-I (Research, Institute & Faculty Development)  
All India Council for Technical Education

Roll No: NPTEL20ME48S31210297

To validate and check scores: <http://npTEL.ac.in/noc>

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24<sup>th</sup> July 2018, similar to other refresher / orientation courses.  
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



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Accredited by NAAC & NBA (6 UG Programmes), New Delhi.





**Roll No: NPTEL20ME50S52000250**

**To** DR GURUPAVAN H R  
ASSISTANT PROFESSOR, DEPARTMENT OF  
MECHANICAL ENGINEERING,  
P. E. S. COLLEGE OF ENGINEERING,  
MANDYA  
KARNATAKA - 571401  
PH. NO :9686632650



**Duration of NPTEL course: 12 Weeks**

No. of weeks of NPTEL Courses	Equivalence of NPTEL course with regular FDP
4	$\frac{1}{2}$ FDP of one week
8	Full FDP of one week
12	$1\frac{1}{2}$ FDP



## NPTEL-AICTE Faculty Development Programme



(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

**DR GURUPAVAN H R**

for successfully completing the course

**Rapid Manufacturing**

with a consolidated score of **79 %**



Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras

(Sep-Dec 2020)

Prof. Dileep N. Malkhede  
Advisor-I (Research, Institute & Faculty Development)  
All India Council for Technical Education

Roll No: NPTEL20ME50S52000250

To validate and check scores: <http://npTEL.ac.in/noc>

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24<sup>th</sup> July 2018, similar to other refresher / orientation courses.  
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18



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