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Education to Innovation

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Idea to Product

A Research Pathway for Students

IEEE Signal Processing Society always strives to keep the members acquainted with the latest technology and research ideas. Conducting research is a significant component for the advancement of scientific thinking. Research helps guide numerous decisions that can turn an idea into an innovation, and the initial step to getting started in the research domain is to explore the different research areas. So, with the sole perspective to explore the field and understand the complete process for writing a research paper, IEEE SPS Silver Oak University Student Branch Chapter had organized a webinar under the title of "Idea to Product: A Research Pathway for Students" in collaboration with IEEE SPS Pune Chapter.

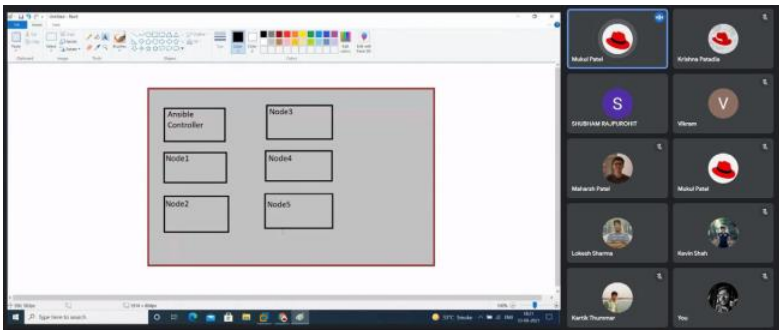
Mr. Ramneek Kalra- IEEE impact creator focused on what Project Based Learning is and what are the essential elements of Project Based Learning. Alongside, the speaker discussed some real-time problem statements and the concept of 5Ws for finding the problem and its solution. Furthermore, he provided a complete explanation on how to select the perfect team and tech stacks for any project. He also discussed the in-depth research survey, prototype development, various methodologies, and how we can secure the research papers by filing the patents. Lastly, he provided insights about some platforms such as IEEE Author Center, IEEE Xplore, and Sci-Hub, which are beneficial in writing the research papers and exploring the research papers for reference purposes. The interaction between the mentor and participants had made the session more engaging and lively.

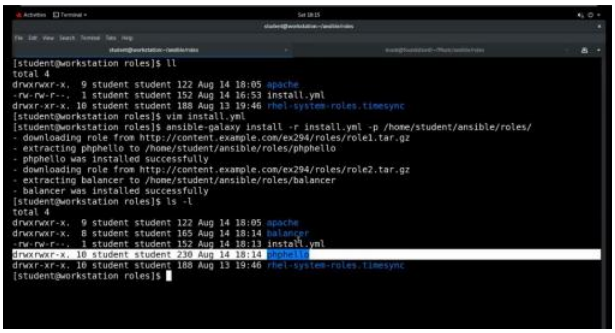
Red Hat

Certified Engineer Training Program

Red Hat Certified Engineer credential helps one to demonstrate skills critical to managing systems in a DevOps environment. One of the key tenets of DevOps is automation and the RHCE is an extension of the knowledge required to automate the deployment, management, and support of multi-system environments — making your credential even more valuable and relevant. The performance-based Red Hat Certified Engineer (RHCE) exam for Red Hat Enterprise Linux 8 tests one's knowledge and skill in managing multiple systems using Red Hat Ansible Engine and executing common system administration tasks across a number of systems with Ansible.

Our final year students of Computer Engineering Department, SOCET have sharpened their technical skills in the world of Open-Source Technology by opting for one of the most valuable international certifications - RHCE (Red Hat Certified Engineer) after getting RHCSA certificate. A total of 16 students have set an example by tirelessly giving their whole-hearted efforts throughout their training by overhauling the course contents of RHCE thoroughly.





Soar Like an Eagle

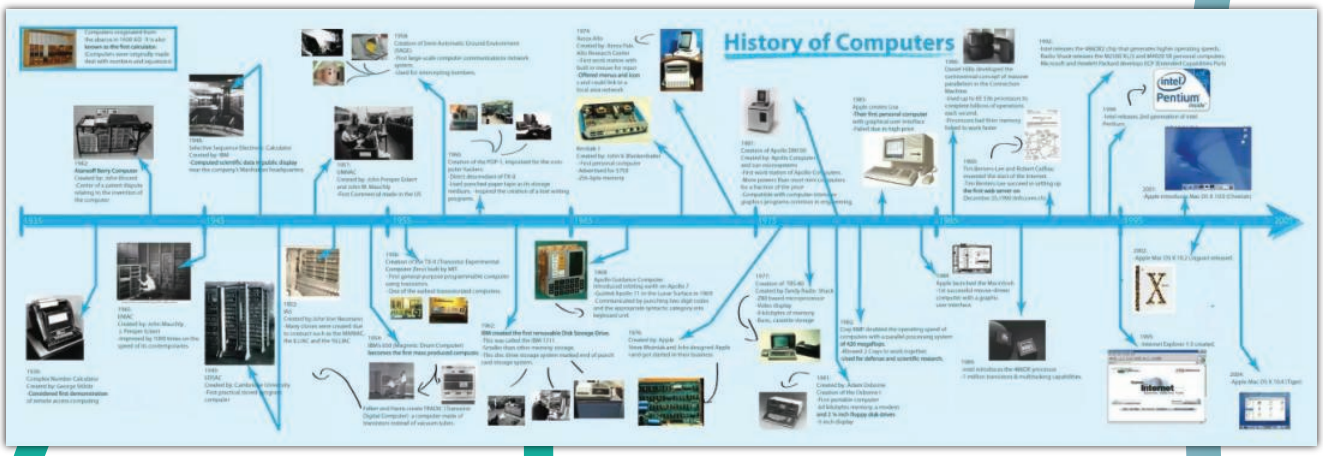
Indian Rosewood Club of Silver Oak University had participated in an event named “Mega ATV Championship " organized by Auto Sports India under the scrutiny of FMSCI. The title sponsors for the event were Auto Sports India and Federation of Motorsport Corporation in India. Along with them there were many other sponsors like; KTM, B&S, Indian Motorcycles, Polaris, CV TECH, HP and Airtel. Around 1500 students of the university had participated in this event and gained exposure in the modern tools of analysis and design. The event had given a platform to the students to communicate and compete with the global level student community.

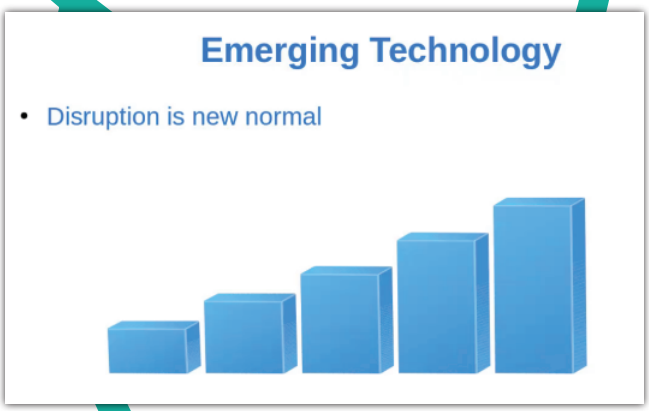
What's Next ??

Talk on Emerging Technology

Our Student Branch aimed to create a better understanding of the emerging technologies from a truly interdisciplinary viewpoint, with a futuristic outlook and hence came up with an event - "What's Next? Talk on Emerging Technology". It was a virtual talk which aimed at the exploration of all the rising technologies of the decade. The main focus was to assist students to gain the gist of growing technologies like AI, ML and Cloud and their true potential. This event was conducted successfully on 19th March 2021. The session was directed by the ambitious personnel Mr Nilesh Vaghela - founder of Electromech Corporation, Ahmedabad partnering with AWS India and RedHat India.

He started off the session with the importance of emerging technologies. He was of the opinion that what's going to happen is always a challenge to think of. He gave the brief of the pipeline and the opportunities that are to come in future. He further mentioned today's foundational technologies and the next generation technologies. He later discussed different driving force technologies such as network, cloud computing, and many more and also explained why databases are important in emerging technology and what the specialized branches are in emerging technology such as artificial intelligence, machine learning, deep learning, etc. and their scope. He motivated students to be a part of the change.

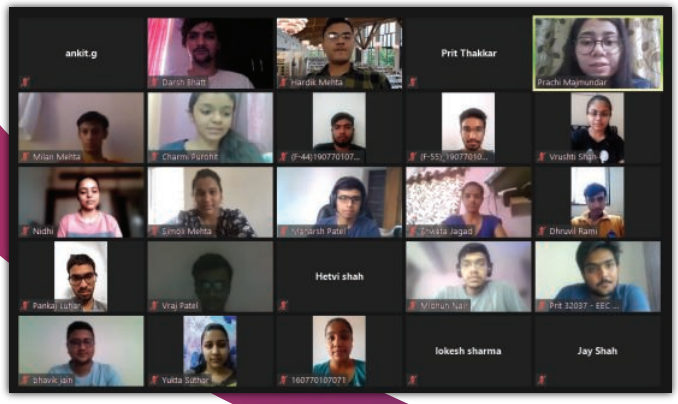


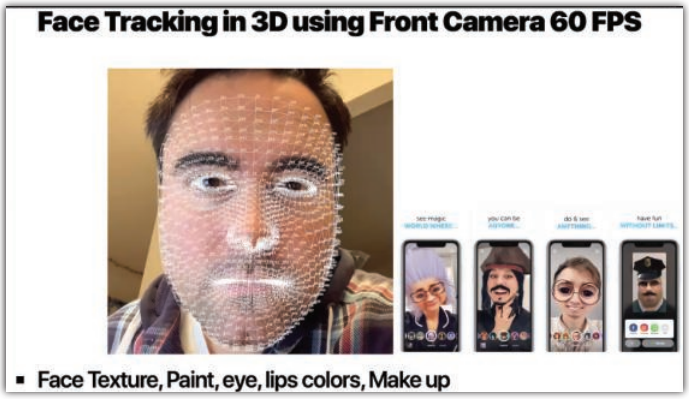


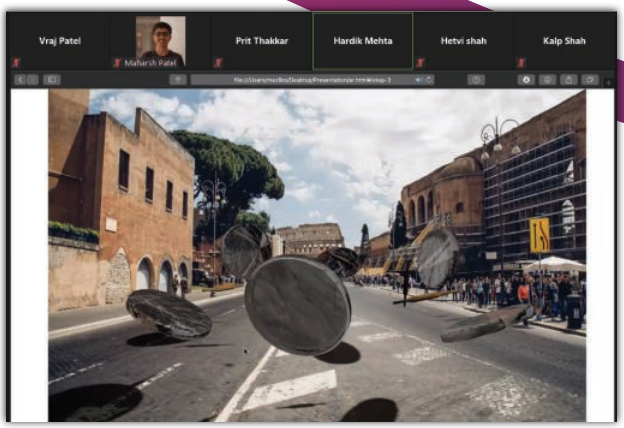
THE WORLD OF AR AND 3D SIMULATIONS

Silver Oak University SB has always endeavored to encourage and help aspiring engineers and to cope with technologies that are changing the world. With the same motto, Silver Oak University IEEE WIE AG in collaboration with IEEE WIE Gujarat Section had organized a talk on "Evaluating Immersive Tech (AR and 3D simulations)" on 22nd April 2021 where 80+ participants partook.

The prominent speaker of the session, Mr. Hardik Mehta, has over 12 years of industry experience in building applications and games for all Apple platforms, iPhone, and iPad, Apple Watch, Apple TV and MacOS. He explained what Immersive Tech is and also explained the different aspects of 3D Simulations and Augmentation Reality. He further explained the 3D simulation topics like Mapping 2D to 3D Lights and shadows, multiple lights, cameras and object's viewpoints. The speaker also showed the participants some wonderful animations. Adding to this he then talked about Augmentation Reality in which he discussed World tracking using visual-inertial odometry and how to create 360 videos in AR. He later spoke about how augmented reality is better than spark and other tools and that these can be used in the field of design and visualization, education, e-commerce, mostly in games and entertainment. The speaker ended the session by advising the participants to explore more in the field.





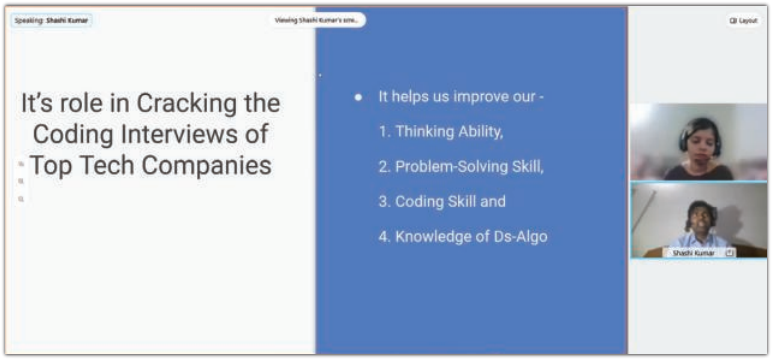


RankUrCode
Roadmap to Competitive Coding

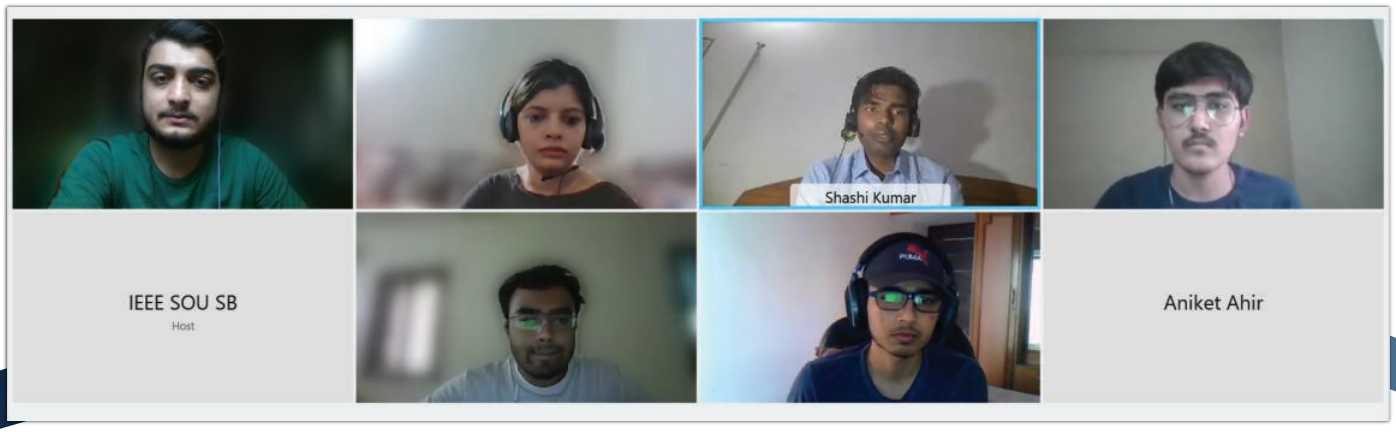
IEEE Silver Oak University SB strived to bring out the best in the students by giving the experience of the finest technology. With the same aphorism, Silver Oak University IEEE Student Branch had organized an event "RankUrCode - Roadmap to Competitive Coding". The webinar was organized to give participants the essence of Competitive Coding, one of the most thriving fields nowadays, and help them explore the Roadmap to Competitive Coding along with its benefits.

For this wonderful session, we had two amazing and experienced speakers Mr. Shashi Bhushan Kumar, Instructor-Coding and System Design, Tech Interview Coach, Ex-tech Lead and instructor at GeeksforGeeks, Ex-SDE at Adobe and Paytm. Accompanying him, we had coding expert Ms. Archy Gupta, Software Engineer at ServiceNow and Ex-Software Engineer at OpenText.

They started with some basic points such as what is competitive coding, role of competitive coding in cracking interviews, how to start competitive coding, and which are the best resources available on the internet. They even shared their learning experience, interview experience and suggested different platforms. He informed that a majority of questions in interviews are asked on coding and the newcomers starting their journey in coding can start with C++, java. The speakers guided and asked all the participants to start practicing coding daily for at least 1-2 hours and shared the free online resources like Codechef, codeforces, hackerrank, leetcode etc. Around 130+ students benefited from the session.



The event concluded with an expert session of questions and answers asked by attendees. And at the end of the session, we thanked our expert speakers Mr. Shashi Bhushan Kumar and Ms. Archy Gupta for this wonderful and enlightening session. We thanked the management of Silver Oak University and Dr. Saurin Shah, Provost, Silver Oak University, Dr. Satvik Khara, Registrar of Silver Oak University and Founding Member Silver Oak University IEEE SB. Last but not least we thanked all the participants for attending this event and making this event successful.



"INNOVATION IS THE OUTCOME OF A HABIT, NOT A RANDOM ACT"

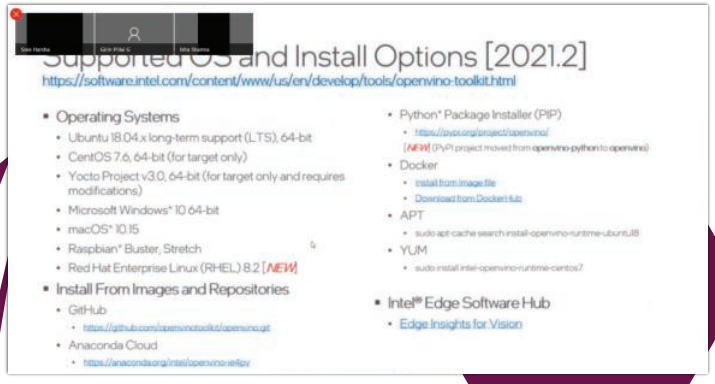
On the 20th March, 2021, ASME SOU organized an event on "An Ironman Suit" which is also called an 'armored exoskeleton'. The speakers of this event had discussed the technical aspects of the field of exoskeleton and armor industry. The session also brought into the limelight about the research on the subject of the current scenario as well as the possibilities of having such incredible technology in the future.

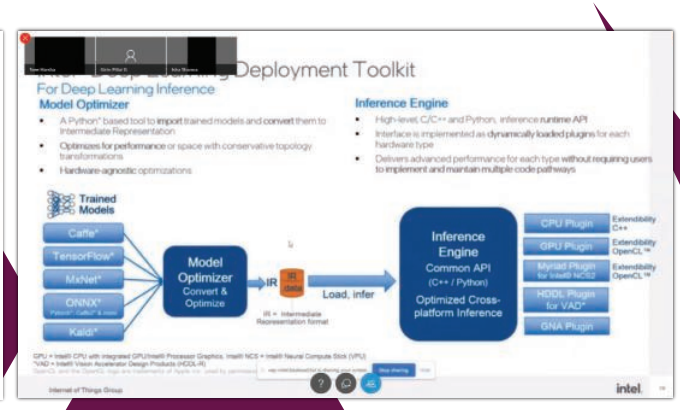
Distribution of OpenVINO Toolkit Training

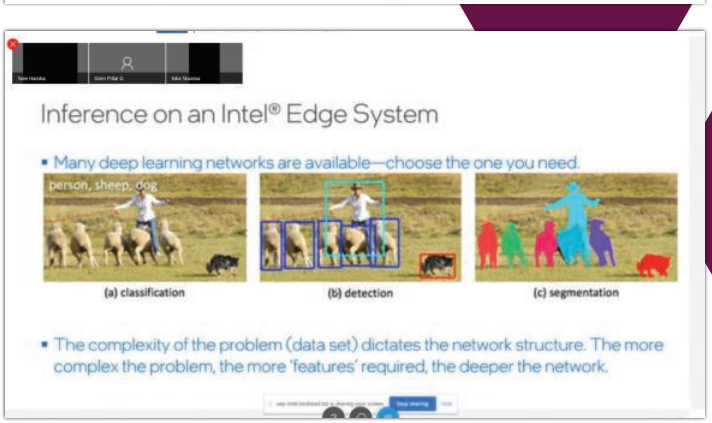
Silver Oak University's IEEE Students branch came up with an event in collaboration with Intel Corporation - "Distribution of OpenVINO Toolkit" on 26th March 2021 on Intel DevCloud for Edge platform. It was an online Hands-on training session focused on developing skills regarding the Open Visual Inference and Neural Network Optimization Toolkit (OpenVINO) which is a free toolkit facilitating the optimization of a deep learning model from a framework and deployment using an interface engine onto the hardware.

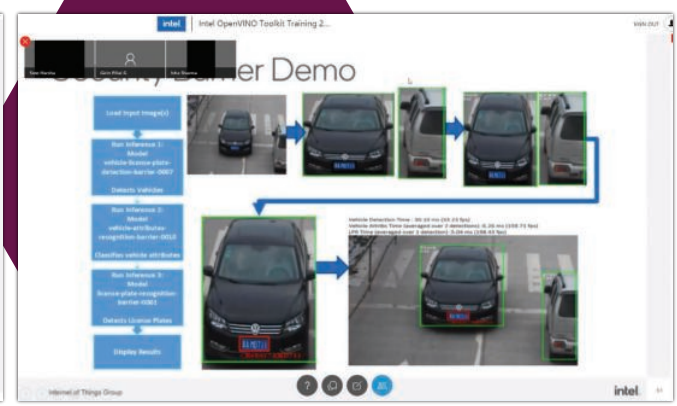
The session was enlightened by honorable speakers Mr. Sree Harsha, Mr. Girin Pillai G and Ms. Isha Sharma. The hands on training session was started by giving the gist of the topics such as Deep learning interference, Intel edge system, Intel DevCloud to the participants. The much fruitful knowledge was also gained by the participants from the examples like vehicle number plate detection elaborated by the speakers. Live description of a deep learning workbench was also presented. At the last speakers also briefed the program "Intel Unnati" by sharing their insights. During the question-answer session, participants' doubts were clarified by optimum insights of the speaker.

This online training was attended by 205 students of CE, IT, EC branch having computer technologies as their domain. E-certificates and E-badges were also provided to the participants by Intel Corporation.









Placement Activities

INTERNSHIPS

Internship opportunities at Maruti Suzuki, Larsen And Toubro Limited, GSECL, PSP Project, Concept jeep, Nirma Limited, TCS, Bosch Rexroth, Mercedes Benz, Akash Technolabs, Technotery, Reelflix Media, Aamani Group were shared with students. In total 170 students were sent for internship in 82 notable companies.

PLACEMENTS HIGHLIGHTS

For batch 2021, total 41 companies were invited for campus placement and 168 students got placed. Some of the notable recruiters are KCT Consulting, Espark Info, Caterpillar Signs, Unnati Unlimited, Action Edge, Lucent Innovation, Byju's, Amneal Pharma, Talent Acquaintance, Fasttrack, Teksun, Edwisor, Vikram Engineer, Neosoft, Vetch & other notable companies.

MARCH

Shivam Bhatt
Action Edge

Vipul Sinh
Caterpillar Signs

Dhrumil Trivedi
eSparkinfo

Krutika Solanki
eSparkinfo

Chand Raj Maheshwari

KCT

Yogesh Panchal

KCT

Dhiraj Jethani

Lucent Innovation

Milan Prajapati

Lucent Innovation

Shivam Bhatt

Lucent Innovation

Yash Makwana

Lucent Innovation

Jeel Bhatt

Unnati Unlimited

Khyati Shah

Unnati Unlimited

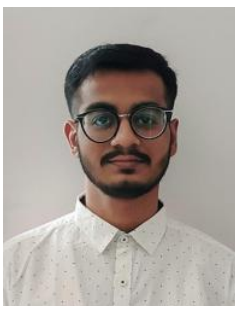
Pakshal Shah

Unnati Unlimited

APRIL

Gauri Puntambekar

Amneal Pharma



Harsh Goyal

Byju's

Kumhar Shyam

Byju's

Shivam Jani

Byju's

Vinit Tarachand Devchandani

Byju's

Jainil Shah

Fasttrack HR

Parth Mukherjee

Fasttrack HR

Dhruvil Sharma

Talent Acquaintance

Jigar Patel

Talent Acquaintance

Santoshkumar Shah

Talent Acquaintance

Sumit Mishra

Talent Acquaintance

MAY

Jankit Shah

Edwisor

Pathan Aayeshasiddiqua

Neo Soft

Rahul Kori

Neo Soft

Dishal Darji

Teksun

Khush
Tekson

Robin Chauhan
Tekson

Tejas Kateshiya
Tekson

Ankit Prajapati
Vikram Engineer

Akshat Suthar
VTech

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INSTITUTE OF MANAGEMENT
COMMERCE COLLEGE
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Silver Oak College of Engineering and Technology

Aditya Silver Oak Institute of Technology

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