VS

NEWSLETTER

DH Talks

The VS Newsletter aims to consistently highlight employee achievements and departmental successes through regular department-wide communications. We will compile recognition data from multiple sources including OEM / HQ appreciations, performance & achievements and formal awards to produce professionally compiled newsletters distributed on a monthly basis. It ensures, outstanding employee contributions gain visibility across the department and levels, preventing achievements from being overlooked or forgotten within department silos. The platform will foster a culture of appreciation by systematically showcasing diverse types of recognition, from individual accomplishments to team successes, creating broader awareness and inspiration among staff members.

Pranjal Saikia
Department Leader
Vehicle Solution

SWPCT

SWPCT Success: Celebrating Capability, Effort, and Endurance

The LGSI VS Department marked a significant milestone with the successful completion of 3 Rounds of **SWPCT (SW Programming Competency Test)** - a prestigious LGE global certification program designed to validate the programming capabilities of our engineers.

The **SWPCT** is more than just an exam; it's a rigorous journey of learning, preparation, and performance. Conducted Six times a year, each cycle demands not only technical proficiency, but also strategic effort and time management. Engineers must first be nominated, undergo targeted training, and clear the **Pre-LSET** qualifying round before advancing to the final certification stage.

This year, till now, **14 members** have successfully cleared this exam and earned their certification. Their achievement is a testament to their **capability**, **perseverance**, and **endurance** throughout this demanding process. Each of them demonstrated not only command over programming languages but also the resilience and focus required to excel in addition to their regular project activities.

Behind every successful candidate stands a dedicated support system. We extend our **deep appreciation** to the mentors, trainers, and coordinators who invested their time and energy in preparing these members. Your guidance and commitment played a pivotal role in shaping this success story.

Success is the sum of small efforts, repeated day in and day out. The LGSI VS Department has shown

As we look ahead to the remaining cycles of Y25, the SWPCT continues to be a cornerstone of LGSI's commitment to excellence in software engineering. It reinforces our belief that **capability is cultivated through continuous learning and shared effort**.

<u>**To the certified members**</u> - Your achievement is not just a personal victory but also a reflection of LGSI's Commitment with HQ. You've set a benchmark for others to follow, and we applaud your dedication.

Let this success inspire many more to take up the challenge, embrace the process, and emerge stronger. Here's to building a future powered by skill, effort, and appreciation.

FELICITATION BY DEPARTMENT LEADER

APPRECIATION

In a moment of pride and recognition, **LG HQ has appreciated the LG Soft India (LGSI) Honda NAD team** for their outstanding contribution to the successful end-to-end completion of the **Honda Verizon VZW certification**. This achievement is not just a technical milestone — it's a testament to LGSI VS's growing global capability and commitment to excellence.

The **Verizon VZW certification**, conducted under Verizon's stringent **Open Development program**, is known across the industry for its rigorous standards. It demands compliance with **FCC regulations**, compatibility across multiple network technologies (2G, 3G, 4G, 5G), and thorough validation of **RF emissions and device performance**. Navigating through this process requires exceptional technical expertise with dedicated effort, precision, and time.

The Honda NAD team rose to the challenge with remarkable finesse. From **meticulous documentation** to **intensive testing and troubleshooting**, every step was executed with perfect planning. This was LGSI's **first end-to-end VZW certification**, and the team didn't just meet expectations but exceeded them.

A **special mention goes to Unnikrishnan Parambath**, whose leadership and technical acumen played a pivotal role in steering the certification to success. His contributions, along with the collective effort of the entire team, were instrumental in overcoming the hurdles posed by Verizon's demanding process.

"Excellence is never an accident. It is the result of high intention, sincere effort, and intelligent execution."

"We've got Verizon MNO IR approval by Honda LGSI's effort"

- Allen Song
HQ PL
NAD & V2X Unit

The journey was far from easy. It involved **multiple late-night debugging calls**, cross-functional coordination, and a deep dive into cellular communication protocols. Yet, the team's **endurance and capability** shone through, earning them well-deserved appreciation from HQ and setting a benchmark for future certifications.

This achievement highlights LGSI's growing strength in **global certification processes**, especially in domains requiring high-level technical scrutiny. It also reflects the team's ability to work seamlessly across borders, aligning with LG's global standards and expectations.

To everyone involved in the **training, documentation, testing**, **and support - Thank you**. Your **effort**, **time**, and **commitment** have not gone unnoticed. And to the team that made it happen: your success is a source of inspiration and pride for all of LGSI. As we celebrate this milestone, we also look forward to the next challenge. With this level of capability and collaboration, the future looks promising.

"Dear Honda Team,

Congratulations!!! Appreciate your dedication and hard work to achieve this very important milestone.

Thank you again for your continuous quest for perfection."

- PRANJAL SAIKIA
Department Leader
Vehicle Solution

APPRECIATION

We are excited to share a proud moment for our team - We have successfully received the **AT&T Certification Compliance TA**! This is a major milestone that reflects the hard work, dedication, and professionalism of everyone involved.

Achieving this certification is not just a formality. It shows that our team meets the high standards set by AT&T in terms of technical accuracy, process compliance, and overall quality. This recognition confirms that we are aligned with global best practices and are trusted to deliver solutions that meet strict industry requirements.

This accomplishment was the result of months of focused effort, collaboration. From planning and documentation to testing and reviews, every step was handled with care and precision. Each team member played a vital role in making this happen, and we want to take this opportunity to say **Thank you**.

We especially appreciate the way the team worked together across different functions and time zones. Whether it was engineering, quality assurance, program management, or support teams everyone contributed their expertise and energy. The spirit of teamwork and mutual respect was clearly visible throughout the process.

Receiving the AT&T Certification Compliance TA also opens up new opportunities for us. It **strengthens our credibility with partners and clients**, and it positions us for future collaborations with AT&T and other global leaders. It's a sign that we are not just meeting expectations but exceeding them.

"Success is not just about reaching the goal — it's about the journey, the teamwork, and the dedication that got us there. This certification is a reflection of our shared commitment to excellence."

We would also like to recognize the leadership and guidance provided by our managers and team leads. Their support helped us stay focused and motivated, even during challenging phases. Their trust in the team gave us the confidence to push forward and deliver results.

This achievement is a reminder of what we can accomplish when we work together with a shared goal. It's a moment to celebrate, reflect, and feel proud of what we've built as a team. But it's also a stepping stone — a sign that we're ready for even bigger challenges and greater success.

Let's continue to build on this momentum. Let's keep learning, improving, and supporting each other. The journey doesn't end here — it's just the beginning of more milestones to come.

Once again, congratulations to everyone who contributed to this success. Your hard work has paid off, and your efforts have been recognized. Let's take a moment to celebrate — you've earned it!

"Appreciate to all the Honda members hard work especially Yohit & Unni "
- Hwansik Jang
HQ PL
NAD & V2X Unit

*"Congratulations on achieving AT&T approval for the MY26 BEV B model.
Your collaborative hard work and   excellence is the driving force behind this success—keep it up!"*
-Anish Ramesan
Team Lead
NAD&V2X Team

APPRECIATION

Achievement Highlight: Boot Time Improvement for LE2.2.1 (Kernel 5.4)

The **BMW Wave** has always been a technically complex and demanding project, requiring a blend of ingenuity, collaboration, and tenacity. One of its core objectives has been to optimize the boot time of our embedded systems, ensuring high performance and efficiency. Boot time optimization is not merely a technical requirement, but also a cornerstone of competitive advantage.

Our recent success in optimizing the boot time of LE2.2.1 (Kernel 5.4) is a landmark achievement for below several reasons:
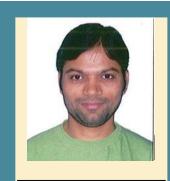
Performance Parity: The boot time now matches or surpasses the performance of LE2.2 (Kernel 4.14), effectively bridging the gap created by kernel upgrades.

Technological Advancement: This accomplishment showcases our ability to leverage newer technology while maintaining or improving performance.

Customer Satisfaction: Our HQ counterparts have expressed their profound satisfaction with these results, reaffirming the value of our work and reinforcing our commitment to excellence.

Anand's contributions have had a profound impact on the BMW Wave Project, extending beyond just the boot time optimization. His work has set new standards for excellence and innovation within our team.

ANAND BOMMISETTI

A **boot chart** is used to visualize and analyze the system boot process. It provides a graphical representation of resource usage (CPU, I/O), process startup times, and dependencies during boot. This helps developers and system integrators identify bottlenecks, optimize boot performance, and troubleshoot slow or problematic boot sequences.

Dear Anand,

That's a great achievement!

Appreciate you & your team hard work and dedication to achieve this boot time improvement.

Also, Boot chart seems to be a great feature to be demonstrated across teams. Please prepare & share this learning with the team as well.

- ANISH RAMESAN
Team Lead - NAD & V2X Unit
Vehicle Solution

"Dear Anand Bommisetti,

Thanks for the improvement for WAVE High LE2.2.1 migration.

Then, it seems that this improvement almost caught up previous LE2.2.

After validating more and there is no issue, then let's apply this improvement.

I appreciate this improvement"

- JUNG KEUN CHA
NAD&V2X Unit

A I   A D A P T A T I O N   U S I N G   G I T H U B   C O P I L O T   A N D   E X A C O D E

Accelerating AI Adoption in VS , with GitHub Copilot and EXACODE

In a bold step toward future-ready engineering, LGSI VS has launched a strategic initiative to **accelerate AI adoption across the vehicle software lifecycle**. This transformation is being driven by the integration of cutting-edge tools like **GitHub Copilot** and **EXACODE**, which are reshaping the way software is designed, developed, and delivered.

To lead this change, LGSI VS has **established a centralized team to explore, pilot, and scale AI-driven engineering** practices. This team is tasked with identifying high-impact use cases, experimenting with AI-powered development workflows, and ensuring seamless integration of AI tools into existing systems. The mission is clear to unlock new levels of productivity, enhance code quality, and foster innovation across all stages of the software lifecycle.

The adoption of GitHub Copilot, a powerful AI pair programmer, has already begun to show promising results. Engineers are now able to write code faster, reduce repetitive tasks, and receive intelligent suggestions that align with best practices. Similarly, EXACODE is being leveraged to automate code reviews, detect anomalies, and streamline debugging processes, significantly improving development efficiency.

This initiative is not just about tools but also about transformation. It's a response to the **growing need for productivity, code quality, and innovation improvements using AI**. As vehicle software becomes increasingly complex, the demand for smarter, faster, and more reliable development methods is higher than ever. AI offers the potential to meet these demands while empowering engineers to focus on creative problem-solving and system-level thinking.

To ensure long-term success, LGSI VS is also focused on **proactive adoption and governance of AI tools and methodologies**. This includes setting clear guidelines for ethical AI use, monitoring performance metrics, and fostering a culture of continuous learning. Training programs, workshops, and internal forums are being rolled out to help teams stay ahead of the curve and fully harness the potential of AI.

AI Adoption & Usage:

- Around 80% of team members actively use AI assistants like GitHub Copilot and EXACODE Agent.

- These tools are widely used for code reviews, improving speed and accuracy.

Integration Progress:

- Integration of Agent and MCP (from 7/30 to 1/8) is mostly complete.

- This has enabled seamless collaboration between AI agents and development environments, boosting productivity.

Challenges Identified:

- ASPICE compliance is hindered by process and documentation gaps.

- AI-driven logical code reviews need refinement for consistency and depth.

To overcome these challenges, **LGSI is committed to continuous adherence to defined guidelines** for all development processes. This includes regular audits, feedback loops, and updates to best practices based on evolving project needs and technological advancements.

> *"AI is all about amplifying engineers capabilities. With the right tools and governance, we're building a smarter, more agile future for vehicle software."*

The journey has just begun, but the momentum is undeniable. By embracing AI through platforms like GitHub Copilot and EXACODE, LGSI VS is positioning itself at the forefront of intelligent engineering. The centralized team's efforts are paving the way for scalable, sustainable AI integration that will define the next era of automotive innovation.

Together, we're not just adapting to AI, but aiming to lead the way

ROOCODE

4 RF CHAMBERS IN ALPHA BUILDING

LGSI VS has initiated the <u>Construction of Four RF Chambers in Alpha Building</u>

VS is gearing up its plans to construct **four Radio Frequency (RF) chambers** in the Alpha Building. The RF chambers marks a significant milestone for LGSI, as it enhances the company's ability to conduct precise and reliable testing of RF-related products and solutions. This is particularly important in an era where technological advancements in telecommunications, wireless connectivity, and various other fields critically rely on RF technologies.

The non-interference design of the chambers ensures that multiple tests can be conducted simultaneously without any cross-signaling issues. This capability not only improves testing efficiency but also allows LGSI to handle a higher volume of projects, thereby enhancing its capacity to serve a broader client base.

Project Details and Timeline

These chambers are designed to house state-of-the-art testing devices from renowned manufacturers **ANRITSU and Rohde & Schwarz**, who are recognized for their precision and excellence in delivering high-quality test and measurement solutions. The required test equipment, sourced from HQ, will be **shipped** to the India shortly after the commencement of construction. Fully functional RF chambers are expected to be functional in next few weeks. With this, we will independently be able to carryout AT&T Certification activities from LGSI.

Training and Readiness

To ensure the team is fully equipped with the necessary skills and knowledge to operate the advanced equipment effectively, **comprehensive training** sessions are planned to the members. The training will cover various aspects, including the handling, calibration, and maintenance of the test equipment.

The training program is a part of LGSI's broader initiative to foster a culture of continuous learning and development among its employees. By investing in its workforce, LGSI aims to maintain a high level of expertise and ensure that its operations run smoothly and efficiently.

Future Prospects

With the completion of the RF chambers, LGSI is poised to further strengthen its position as a leader in the technology solutions industry. The state-of-the-art testing facilities will enable the company to offer cutting-edge services, fostering innovation and driving technological progress.

This strategic expansion of testing capabilities aligns with LGSI's vision of delivering unparalleled solutions and services to its clients. The team is confident that, this new addition will contribute significantly to its future growth and success.

The successful completion of this project will undoubtedly elevate LGSI's status as a key player in the industry, reinforcing its commitment to excellence and innovation.
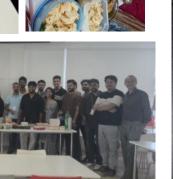
Pot Luck

The recent Potluck celebration was a delightful success, bringing together teams for a day filled with laughter, bonding, and delicious homemade dishes. From spicy starters to sweet treats, every contribution showcased the team's creativity and warmth. It was more than just food—it was a celebration of togetherness and team spirit. A big thank you to everyone who participated and made it memorable. Here's to many more shared moments!

Potluck
BRING YOUR FAVORITE DISH!

Pot Luck

Potluck
BRING YOUR FAVORITE DISH!

Team Outing - MCU SW Unit

Our recent team outing was a perfect blend of laughter, bonding, and relaxation. From games to great conversations, it was a refreshing break that brought everyone closer. Cheers to the memories made and the spirit of togetherness!

When the team fits into a single frame — you know it's a special day! 📸

Team Outing - Cyber Security Unit

Intern's Corner

My name is Battina Navyasree, and I'm from Andhra Pradesh. I hold a B.Tech degree in Computer Science from Kalasalingam Academy of Research and Education, Madurai. I have a solid foundation in programming languages such as C++/c, Java, and Python (basics), with strong problem-solving skills in Data Structures and Algorithms (DSA). I'm also familiar with SQL and have a growing interest in machine learning. I've worked across both Linux and Windows environments and understand how to navigate and build within these frameworks. As part of LG, I look forward to applying my technical skills in real-world projects, learning from experienced professionals, and contributing to innovative and reliable solutions. I'm committed to continuous learning, effective collaboration, and aligning with LG's values of quality, ownership, and teamwork.

I am Devishi Aggarwal, hailing from Haryana. I am currently pursuing a Bachelor's degree in Computer Science and Engineering from Chandigarh University, Punjab. At present, I am working as a Research Engineer Intern at LG Soft India, with technical expertise in C, C++, Java (Core and Android Development), Python (Scripting), Git, JavaScript, SQL, IoT, and Wix. This internship provides me with the opportunity to enhance my skills, gain exposure to cutting-edge technologies, and contribute to innovative, real-world solutions. I am particularly motivated to be part of the impactful advancements that LG is delivering in the automotive industry, aligning my professional growth with the organization's vision for technological excellence.

Spotlight Soon