



**VIDYA ACADEMY OF SCIENCE & TECHNOLOGY TECHNICAL
CAMPUS, Kilimanoor, Thiruvananthapuram**

“A Unit of Vidya International Charitable Trust”

(Accredited by NAAC with B++ Grade)

MONTHLY REPORT – MARCH 2025

DEPARTMENT OF CIVIL ENGINEERING

➤ **LIKHA 25 - TECH FEST**

The Department of Civil Engineering conducted the Techfest “LIKHA 2025” in association with RACE 2025 on 20th February 2025. Department Techfest coordinator was Mr. Nithin A.V (Asst. Prof., CE). Techfest provides a platform for students to showcase one's unique talents and are important in improving the technical acumen of the young and creative minds, providing a break from the monotonous routine of evaluation and academics. LIKHA 2K25 received overwhelming responses in all its events and there were participants from polytechnic and other engineering colleges. These students were welcomed by our Director Dr. Shaji Sir and Head of the Department Dr.K.Sargunan.

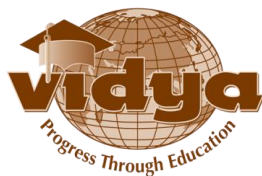
• **EVENTS OF LIKHA - 2K25**

CONSTRUCTO - 25

CONSTRUCTO-25 event was conducted on college ground of VAST TC on 20th of February 2025. Mr. Lenin Babu was the staff coordinator who helped in making the event a grand success along with student coordinator Indrajith (S6 CE). A first of its kind event mainly showcased construction machineries. There was display of a bulldozer is a powerful, tracked vehicle with a large, front-mounted blade, dump trucks a most common type of hauling equipment, Excavators with Backhoe and Telehandler.

NIRMAAN: A TIMELOURVE

Nirmaan event was conducted on SB 804 on 20th of February 2025. Ms. Nayana Gopan was the staff coordinator who helped in making the event a grand success along with student coordinator Aromal S (S8 CE). Students made still models and working models of based traditional building



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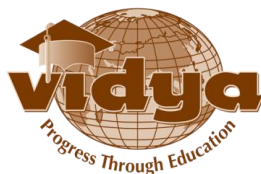
practices and diverse civil engineering structures. The expo included models of traditional buildings, types of construction materials and equipment, types of footings, generation of building, light house and London Bridge. The model of London tower bridge done by S4 CE students was the main highlight as it was a working model done in collaboration with S4 ECE students. Our students made different types of footings by concrete casting along with their Skelton. There was display of construction materials like cement, sand, aggregates, fly ash, GGBFS etc., and construction equipment like trowel, vibrator. Generation of building is a project done S2 CE students. This event showcased the models from old thatched house to modern multi-stories buildings.

BUILD-OFF:

BUILD-OFF was one of the main projects showcasing the modern structures and construction practices, which was conducted on SB 804. Ms. Anjali Shaji was the staff coordinators who helped in making the event a grand success along with student coordinators Alfiya (S8 CE) and Jesna Fathima (S4 CE). The expo included student models like Eco Metropolis 2.0, Cable suspended bridge, cross section view of a plan of a residential building and sustainable habitats by S2 CE students.

ECO VISTA 2.0

The Eco Vista 2.0 event highlighted the beauty and structural perfection of bamboo works and project related to Environmental Engineering and was conducted in SB 805. MsAdheena V S was the staff coordinator who helped in making the program a grand success along with student coordinators Adarsh (S4 CE) and Harsha of S8 Civil. A bamboo hut and a sustainable bamboo bridge using locally sourced bamboo transcends aesthetics to engage students and visitors. A working model water treatment plant was displayed by S4 CE Students.



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HYDROSTRUCT

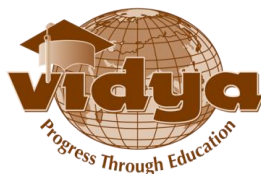
The HYDROSTRUCT event highlighted the student's models related to hydraulic structures and was conducted in SB803. Ms. Pooja M Vijay was the staff coordinator who helped in making the program a grand success along with student coordinators Fayas (S6 CE) and Navneeth of S4 Civil. Aqueduct model was displayed by students. Dams were made by using concrete. Proper curing time was given for the setting of concrete. It was really a massive and attractive structure. Along with dam, aqueduct was made out of wooden boards. The hard work done by students was clearly visible on the structure and gained immense appreciations for its perfection. Another major structure constructed was working model of stepped spillway, that astonished the minds of audience by its structural perfection.

MARGA

The Marga event was based on advanced transportation systems and methods was conducted on SB 802 and Ms. Rini Madhav Rajeev was the staff coordinator who helped in making this program a grand success along with the student coordinator Sarath (S6). The event showcased life size model of a railway station platform by S6 CE students with ticket counter, track and signal systems. The models were built from scraps and sustainable materials. S4 CE students build a road intersection with roundabouts and flyovers displaying their knowledge and skills in transportation engineering. A model of different transportations modes were also displayed by S6 CE students where they shown bridge, road and tunnel passage.

BUILD-VR

The Build VR event was based virtual reality in building modelling and simulation and methods was conducted on SB 805 and Ms.Midhila M was the staff coordinator who helped in making this program a grand success along with the student coordinator Anuja Babu (S8). This event attracted



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all age groups from school students to senior faculties as it showcased 3D walk-through of seven wonders of modern world.

CAD-PUZZLE

One of major highlight of LIKHA 25, was the participation of diploma final year students in various inter-college events. The Cad-puzzle, an inter-college building plan jigsaw puzzle event was conducted on SB 806 at 10.00 am. Ms. Pooja M Vijay was the staff coordinator who helped in making this program a grand success along with the student coordinator Nikhil P S (S6). There were 14 participants from various polytechnic and B.Tech colleges and Rafna Basheer of SNPTC Kottiyam secured First Prize and Geethu M Nair of S4 CE VAST TC secured second place. Both were rewarded with cash prize and all participants received certificates from the Department of Civil Engineering.

CAD-MANIA

The Cad-mania, an inter-college Autocad competition event was conducted on CAD LAB ME at 11.00 am. Ms.Adheena V S was the staff coordinator who helped in making this program a grand success along with the student coordinator Mubarakali (S6). There were 18 participants from various polytechnic and B.Tech colleges and Gopika R S of SNPTC Kottiyam secured First Prize and Aneesh A of MGMPTC Kilimanoor secured second place. Both were rewarded with cash prize and all participants received certificates from the Department of Civil Engineering.

FUN ZURA 2.0

The games corner was set up in the Boy's Common Room, SB815. It was really active on both days of tech fest. The staff coordinator Mr. Lenin helped us in making the event a grand success along with the Student coordinator Joji (S8 CE). Many school students participated in the games set up in the zone and got variety of gifts.



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- **EVENT GLIMPSES**

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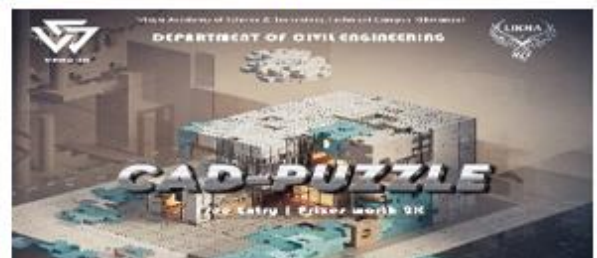
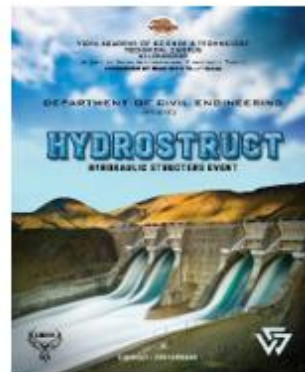
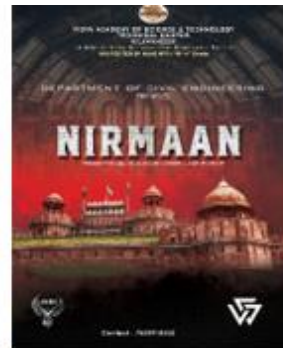


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• EVENT POSTERS





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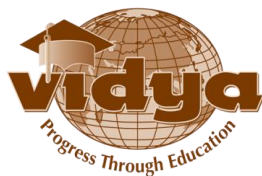
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➤ SEMINAR ON BIM FOR INFRASTRUCTURE DESIGN AND CONTRACTING



The Department of Civil Engineering organized an interactive seminar session for the Third and Second year students (2022 and 2023 Batch) of the department, ‘BIM for Infrastructure Design and Contracting’ on 07/03/2025, Friday from 2.30 p.m. to 4.00 p.m. The event was organized by Ms. Pooja M Vijay (Asst. Prof - CE). A total of 64 students attended the event, which was held at the ME Seminar Hall. The session was handled by the guest, Mr. Rahul S, Junior BIM Application Engineer in BIMLABS GLOBAL, Kazhakootam. All the faculty members of the department played a major role in the successful completion of the program.



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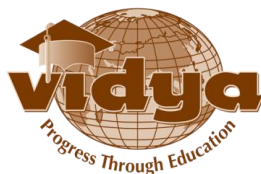
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➤ **ALUMNI MEET – 2K25**



The Department of Civil Engineering and Association of Vidya Alumni, Kilimanoor organized an Alumni meet for the graduated students of the department “ALUMNI MEET- 2K25” on 16.03.2025, Sunday from 9:00 a.m. to 2:00 p.m., followed by lunch. The Department Alumni Coordinator Ms. Adheena V S (Asst. Prof - CE) coordinated the event. 35 graduated students from Batches 2015 – 2019 to 2020 – 2024 attended the event, which was held at the ME Seminar Hall. All the faculty members of department played a major role in the successful completion of the programme.



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➤ ACHIEVEMENT OF STAFF

• PATENT PUBLICATION



Dr. K.Sargunan (HOD, Department of CE) published an Indian Patent on ‘A Novel Eco-Friendly Concrete Mixtures for Sustainable Infrastructure’ dated 21/03/2025.

DEPARTMENT OF MECHANICAL ENGINEERING

➤ WORKSHOP ON FUSION 360



The Department of Mechanical Engineering successfully organized a Workshop on Fusion 360 at AKM Polytechnic College, Kannanalloor, Kollam.



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The workshop was led by Asst. Prof. Sajith from the Mechanical Engineering Department of VAST TC Kilimanoor. He provided an insightful introduction to Fusion 360, a cloud-based 3D CAD, CAM, and CAE software widely used for product design and engineering applications. The session included hands-on exercises and practical demonstrations, helping students grasp key design concepts and software functionalities.

A large number of diploma students actively participated in the workshop, gaining valuable skills in computer-aided design and manufacturing. The session was part of VAST TC Kilimanoor's initiative to promote technical skill development and foster academic collaboration between institutions.

The faculty and students of AKM Polytechnic College appreciated the engaging and informative session, recognizing its significance in the ever-evolving field of mechanical design and engineering.

➤ WORKSHOP ON MEP, QA/QC, AND OIL & GAS



The Department of Mechanical Engineering in association with Capital Institute, successfully conducted a workshop on MEP (Mechanical, Electrical & Plumbing), QA/QC (Quality Assurance & Quality Control), and Oil & Gas.



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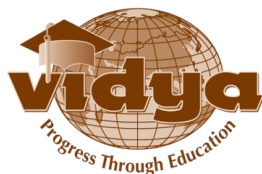
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The workshop aimed to provide students with practical knowledge and industry insights into these critical engineering domains. The expert trainers from Capital Institute delivered interactive sessions covering essential topics, real-world applications, and career opportunities in MEP, QA/QC, and the Oil & Gas industry.

A large number of mechanical engineering students actively participated in the session, gaining hands-on exposure to technical concepts, industry standards, and certification processes. The session also emphasized job prospects and professional skill development in these specialized fields.

This initiative aligns with VAST TC Kilimanoor's commitment to bridging the industry-academia gap by equipping students with industry-relevant knowledge and skills. The participants expressed their appreciation for the insightful session, highlighting its importance in preparing them for careers in MEP, quality control, and oil & gas engineering.



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➤ **VIDYA MECHANICAL ENGINEERS MAKE WAVES IN THE MERCHANT NAVY**



The Department of Mechanical Engineering proudly celebrates the remarkable achievement of its students who are now charting new courses in the Merchant Navy. Muhd Aslam N, Arun P, and Gopu Sugathan, all from the 2020-2024 batch, have successfully transitioned from classrooms and labs to the vast seas, representing the institution in one of the most dynamic and demanding careers in the maritime industry.

The rigorous academic training combined with hands-on technical exposure has enabled these graduates to earn a place in the prestigious Merchant Navy fleet.

The department extends heartfelt congratulations to Muhd Aslam, Arun, and Gopu for their inspiring accomplishment and wishes them smooth sailing as they embark on this exciting new chapter.



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"From Machines to the Seas - Vidya Mechanical Engineers in the Merchant Navy" reflects the spirit of innovation and exploration that Vidya Academy instills in its students.

➤ **MECHANICAL ENGINEERING DEPARTMENT ACHIEVES RECORD 50 CORE
PLACEMENTS IN 2025**



The Mechanical Engineering Department has set a new benchmark in placements by securing 50 core company offers for the 2021-25 batch. This remarkable milestone was achieved with the latest 13 placement offers from Motherson Limited, a leading automobile sector company headquartered in Chennai.



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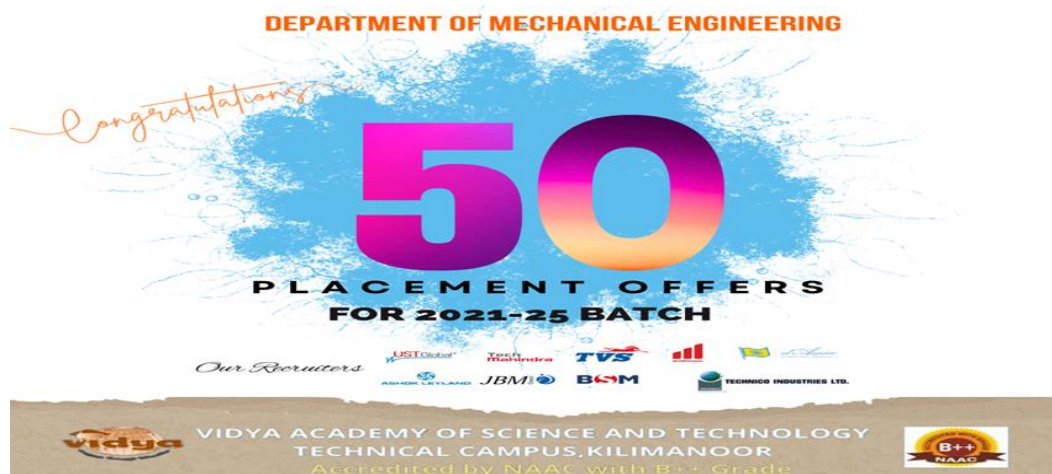
This achievement is the result of the combined efforts of the Placement Team, dedicated faculty members, and the relentless hard work of students.

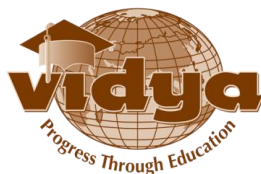
Mr. Arun K L, Head of the Department of Mechanical Engineering, congratulated all the final-year students on their success, acknowledging their commitment and perseverance. He also extended appreciation to the Placement Cell and faculty members for their unwavering support and guidance throughout the placement process.

The 2025 placement season has been a remarkable one for the department, reinforcing its reputation as a hub for core engineering talent. With 12 students already placed in TVS Group of Companies and many others securing positions in top-tier industries, VAST TC continues to strengthen its position as a premier Institution for Mechanical Engineering placements.

The Mechanical Engineering Department looks forward to sustaining this momentum and achieving even greater heights in the coming years. Congratulations to all the placed students!

➤ **DEPARTMENT OF MECHANICAL ENGINEERING ACHIEVES 50
PLACEMENT OFFERS FOR 2021-25 BATCH**





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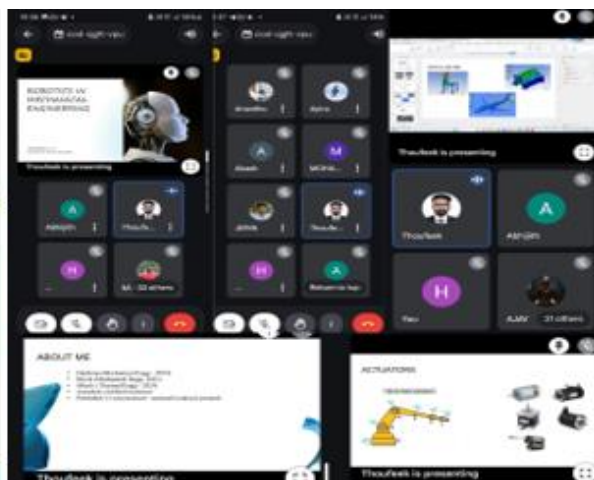
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The Department of Mechanical Engineering has proudly announced a significant milestone of 50 placement offers secured for the 2021-2025 Batch. This remarkable achievement is a testament to the department's commitment to academic excellence, skill development, and industry-oriented training.

The success reflects the consistent efforts of students and faculty members in building strong ties with top recruiters. Esteemed companies such as UST Global, Tech Mahindra, TVS, Ashok Leyland, JBM, BOSCH, and Technico Industries Ltd., among others, have offered placements to the students.

Congratulations to all placed students and the Department of Mechanical Engineering for this outstanding accomplishment!

➤ WEBINAR ON "APPLICATIONS OF ROBOTICS IN MECHANICAL ENGINEERING"



The Department of Mechanical Engineering organized an insightful online webinar on the topic **"Applications of Robotics in Mechanical Engineering"** on **22nd March 2025 (Saturday)** at



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7:30 p.m. via Google Meet. The session was led by **Mr. Thoufeek N A**, an esteemed alumnus of the 2017-2021 batch (Mechanical Engineering). Mr.Thoufeek currently serves as a **Mechanical Design Engineer** at Vashishtha Research Centre – Robotics and Composite Manufacturing Technology.

The webinar aimed to expose students to real-world applications and innovations in the field of robotics, specifically focusing on its integration within mechanical engineering practices. Mr.Thoufeek shared his industry experiences, shedding light on cutting-edge developments and how robotics is transforming manufacturing and design processes. The event saw active participation from students and faculty members, further bridging the gap between academic learning and industrial advancements.



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

➤ ACHIEVEMENT OF STAFF

- Awarded with Degree of Doctor of Philosophy



Ms. Soumya Babu H (AP, ECE)

Ms. Soumya Babu H (AP, ECE) has successfully completed her PhD in Electronics and Communication Engineering from Kerala University, marking a major milestone in her academic and professional journey. She has 6 journals and 4 conferences to her credit.

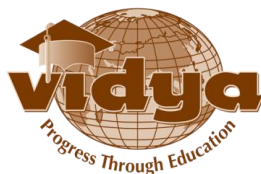
• FACULTY DEVELOPMENT PROGRAMME



Ms. SREEJITHA S G



Mr. CHANDU C B



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Mr.Chandu C B (AP, ECE) and Ms.Sreejitha S G (AP, ECE) successfully participated & completed five days FDP on **“Exploring AI Paradigms: ML, DL & Research Perspectives”** organized by the Department of Electronics and Communication Engineering, College of Engineering Muttathara, Thiruvananthapuram, from 10/03/2025 to 14/03/2025.





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Ms. SREEJITHA S G



Mr. CHANDU C B

Mr.Chandu C B (AP, ECE) and Ms.Sreeejitha S G (AP, ECE) successfully participated & completed five days Faculty Development Program on ***“FUTURE TRENDS IN MACHINE LEARNING AND DATA SCIENCE-DRIVEN IOT APPLICATIONS (FTMLDSA-IOT-2025)”*** organized by the Department of CSE (Data Science) and Internal Quality Assurance Cell (IQAC), HALDIA INSTITUTE OF TECHNOLOGY, Haldia, in association with the Department of CSE, Dr.Sudhir Chandra SUR INSTITUTE OF TECHNOLOGY & SPORTS COMPLEX, Kolkata and the department of CSE, BUDGE Institute of Technology (BBIT), Kolkata from 10/03/2025 to 13/03/2025 and 17/03/2025.





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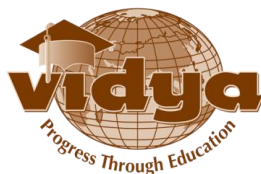
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➤ VOLUNTEER LEADERSHIP TRAINING PROGRAM – IEEE KERALA SECTION

Volunteer Leadership Training Program, organized by IEEE Kerala Section, was successfully conducted at Aashir Bhavan, Kochi, on March 1st and 2nd. This event brought together Student Representatives from all the IEEE Student Branches (SBs) in Kerala for a face-to-face meeting (F2F), alongside a comprehensive volunteer training session.





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The program aimed at enhancing leadership skills, fostering collaboration, and sharing best practices across various IEEE SBs. Our college had the honor of participating in this enriching event, and we are proud to highlight the following students who represented our institution:

1. Ms.Lekshmy S (**AP/ECE**, VASTTC; IEEE SB Councilor, VASTTC; IEEE Trivandrum Hub VSAC)
2. Mr.AswinKrishna M.S (**S6/ECE Student**; Chair of IEEE SB VASTTC)
3. Mr.Sonu S (**S6/ECE Student**; Treasurer of IEEE SB VASTTC)
4. Mr.Tinu Joy (**S6/ECE Student**; Student Representative of IEEE SB VASTTC)
5. Mr. Manu V (**S6/ECE Student**; Student Representative of IEEE SB VASTTC)

The event provided a unique platform for learning, sharing, and networking with peers from other Institutions, as well as valuable insights into leadership roles within IEEE. It was an excellent opportunity for our students to engage in discussions on the future of technology, the role of volunteers, and the importance of community in driving innovation.

CONTRIBUTORS TO THIS EDITION

Dr.T.Mathavaraj Ravikumar (Principal), Dr.K.Sargunan (HOD, CE), Ms.Saranya Raj.S (Asst. Prof., CSE), Ms.Anjana. N (Asst. Prof., ECE), Ms.Rini Madhavan Rajeev (Asst. Prof., CE), Mr. Muhammed Faisal (Asst. Prof., ME), Ms. Jisha Raj. T (Asst. Prof., CSE), Ms. Anjala. S.S (Asst. Prof., EEE), Ms. Apsana. S (Asst. Prof., ECE) and Ms. Aswathy S (PA to Principal).

SUGGESTIONS & SUPPORT

We value your suggestions for improvement. For contact or assistance on related matters, please send us an email to wednesdaynews@vidyatcklmr.ac.in. We shall get back to you at the earliest.

Wednesday News Team