NEWSLETTER

OFFICE OF INDUSTRY RELATIONS (DIND)

Quarter 3

July – September 2024

The third quarter newsletter from Vel Tech University's Office of Industry Relations highlights significant achievements in industry-academia collaboration, skill enhancement programs, and research initiatives from July to September 2024.

Partnerships and Industry Collaborations: Several MoUs were signed to foster student internships, industry visits, and specialized courses, including partnerships with TITAN, Cyberweek, and Intel. Notable engagements include a meeting with Ashok Leyland on reframing the VLSI curriculum, and discussions with NTC Logistics on cybersecurity training.

Student Development Programs: A variety of student-centric programs enhanced hands-on learning experiences, including industry visits, internships, and training sessions. Highlights include a 5-day In-Plant Training for 39 Electronics and Communication Engineering students, a 30-day project-based internship for R.M.K. College of Engineering students, and the Internal Hackathon 2024. Additionally, numerous specialized credit courses, such as those on Generative AI, IoT, DevOps, and Blockchain, were offered, expanding students' expertise in advanced technologies.

Hackathon Participation and Innovation: Vel Tech continued its participation in the Smart India Hackathon, with 76 student teams tackling real-world problem statements. Expert mentors provided guidance, enabling students to devise solutions in fields like healthcare, agriculture, and smart cities.

Faculty and Industry Expert Engagements: Faculty and industry professionals, including experts from Kyndryl, Ashok Leyland, and DRDO, conducted training, mentoring, and collaborative projects. The quarter also saw advancements in IoT and sensor-based technology, with a new patent filed for a multi-sensor temperature management solution and another granted for IoT-based battery monitoring.

The quarter's initiatives underscore Vel Tech's commitment to integrating industry-relevant skills and technologies into its academic programs, paving the way for students' future careers.

NEWSLETTER HIGHLIGHTS

MoUs Signed

Vel Tech and Concrete Circle signed a Memorandum of Understanding on July 10, 2024, to facilitate Internships, Industry Visits, Guest Lectures and Special courses to enhance practical learning experience among the students.

Vel Tech and the Institute of Aeronautical Engineering, Dundigal signed an MOU on July 22, 2024 to conduct training programs and thereby enhance theoretical and practical skills in aviation.

Vel Tech inked an agreement on August 6, 2024 with Avironix, pertaining to internships, R&D projects, collaborative publications, consultation and faculty development programs.

With the goal of fostering collaborative research projects, promoting academic exchange programs, expanding educational opportunities, advancing technology transfer initiatives, supporting capacity-building initiatives, and promoting sustainable development projects, Vel Tech and DBT-APSCS & T Center of excellence for biotechnology signed an agreement on July 3, 2024.

Industry Interactions

The IR team visited TITAN Company Limited on 1st July and discussed with Ms. Elavarasi, Senior Manager on the applications of nano material-based coatings for rough and polished surfaces. She was interested to visit our research facility and the invitation was extended to her.

On July 24, the IR team attended the Cyberweek conference featuring prominent Israeli firms, viz., Orca, Check Point, Bright Data, XM Cyber, CyberBit, and CyberArk. It was a good opportunity to engage with the Directors and Sales Heads of these companies, gaining valuable insights on the latest trends in cybersecurity.

On 31st July, our team had an insightful meeting with Mr. Navin Bishnoi and his team on reframing the curriculum for VLSI design systems on par with current industrial trends

Visited Intel Corporation on 31st July and engaged in a meaningful discussion with the Technical Director, Mr. Dhanapathy Krishnamoorthy on the essential skillsets expected from the graduates in current technology landscape.

Interacted with Mr. Sridharan Venkata Ramanan, Senior Vice President, M/s. Global Logic on 31st July where he emphasised to skill the students on emerging technologies including Embedded Systems, IoT, AI, and Generative AI

On 31st July our team met Mr. Jayachandra Aradhya, Head of Industry Academic with 30 years of experience in technology developments students in the evolving fields of Embedded Systems and IoT. He along with his team in Elfonze Technologies were engaged in a meaningful discussion on imparting skill development programs to our students

Our Team met Dr. Mahendran, Chief Human Resource Officer, FUSO Pvt Ltd. and detailed our R&D potential and the infrastructure. They were highly impressed on our R&D works and expressed their interest to collaborate on R&D projects and also to recruit our students

On 26th July, Vel Tech has partnered with NTC Logistics Pvt Ltd, Chennai, to enhance cyber security expertise. Their Red Team Auditing experts planned to conduct training sessions for faculty and students from CSE and ECE departments. This collaboration will equip participants with valuable skills to combat cyber threats and protect sensitive information

Students' Industry visit

47 students from school of Computing (Batch 1) visited Air Force Station, Avadi on July 05, 2024

47 students from school of Computing (Batch 9) visited Meteorological Observatory on July 05, 2024

32 students from school of Computing (Batch 7) visited Engine Factory, Avadi on July 05, 2024

49 students from school of Computing (Batch 6) visited Tamil Nadu Centre of Excellence for Advanced Manufacturing - TANCAM on July 05, 2024

32 students from school of Computing (Batch 8) visited TANSAM (Tamilnadu smart and advanced manufacturing centre) on July 05, 2024

43 students from school of Computing (Batch 14) visited Armoured Vehicles Nigam Limited, Avadi on July 06, 2024

47 students from School of Computing (Batch 10) visited TICEL BIO PARK, Taramani on July 06, 2024

32 students from school of Electrical and Communication visited M/s. Woory Automotive Ltd in Maraimalai Nagar on July 05, 2024

47 students from SoMC (Batch 1) visited K Lite in Ambattur Estate on on July 07, 2024

48 students from school of Electrical and Communication (Batch 4) visited IITDM Kanchipuram on July 10, 2024

47 students from School of Computing (Batch 2) visited NIWE in Palikkaranai on July 12, 2024

44 students from School of Computing (Batch 3) visited BSNL in Meenambakkam on July 12, 2024

79 students from School of Computing (Batch 4 and Batch 5) visited leather technology at CLRI in Adayar on July 12, 2024

43 students from School of Computing (Batch 12 & 13) visited ICF in Villivakam on July 16, 2024

84 students from the Biomedical and Biotechnology departments visited CLRI in Chennai on July 16, 2024

Corporate Talk

Corporate Talk by **Dr. T. Anand**

Dr. T. Anand, Head of the Innovation and Incubation Center at SRIHER, held an engaging corporate talk on **July 5, 2024, for 85 students** from the School of Computing. Dr. Anand shared valuable insights on fostering innovation and entrepreneurship, highlighting the critical role of creativity in technology. His motivational message encouraged students to explore new ideas and solutions within their fields, inspiring a fresh wave of innovation

Corporate Talk by **Mr. S. Anil Kumar**

We are pleased to report that on **July 5, 2024,** Mr. S. Anil Kumar, Associate Director at Kyndryl, delivered an engaging corporate talk to **85 students** from the School of Computing. During the session, Mr. Kumar shared valuable industry insights on current technology trends and emerging career opportunities. His encouraging words inspired students to embrace innovation and develop the essential skills needed for success in the ever-evolving tech landscape

Corporate Talk by **Dr. A. Aravind**

We are excited to share that on **July 5, 2024,** Dr. A. Aravind, Deputy General Manager at Ashok Leyland, delivered a compelling corporate talk to **104 students** from the School of Computing

Dr. Aravind explored key industry trends and career pathways in automotive technology, inspiring students to pursue excellence and innovation. He emphasized the critical importance of adaptability in shaping their future careers, motivating them to embrace change in a dynamic industry.

Corporate Talk by **Dr. Shanmugakumar**

We are excited to share that on **July 8, 2024,** Dr. Shanmugakumar, Founder and CEO of MATIC ONE, engaged **87 students** from the School of Computing in an enlightening corporate talk.

During the session, Dr. Shanmugakumar shared valuable insights on entrepreneurship and the evolving tech landscape. His motivational message encouraged students to harness their creativity and innovation skills as they prepare for dynamic career opportunities in the industry.

Corporate Talk by **Dr. S. Ravindran**

We are delighted to report that on **July 8, 2024,** Dr. S. Ravindran from TAFE addressed **80 students** from the School of Computing in a captivating corporate talk.

Dr. Ravindran shared valuable insights on advancements in the agricultural machinery sector, with a strong emphasis on innovation and sustainability. His inspiring message motivated students to explore opportunities within the industry and enhance their skills for future success.

Corporate Talk by **Mr. Balasundaram,** Former COO of Ford and Motherson Group

On **July 9, 2024,** Mr. Balasundaram, the former Chief Operating Officer of Ford and Motherson Group, engaged with **82 students** from the School of Computing in an insightful and thought-provoking corporate session. Drawing from his extensive experience in the automotive industry, he shared valuable lessons on leadership and innovation, which are two key drivers for success in the fast-evolving sector.

Corporate Talk by **Mr. Sriram Bala Sundaram,** AGM at ZF Commercial Vehicles Control Limited

On **July 9, 2024,** Mr. Sriram Bala Sundaram, Assistant General Manager at ZF Commercial Vehicles Control Limited, delivered an insightful corporate talk to **87 students** from the School of Computing. During the session, he discussed the latest trends shaping the automotive industry, emphasizing the critical role of innovation and engineering excellence

Corporate Talk by **Mr. R. Baskaran,** Former Principal Telecom Engineer at Southern Railway

On **July 9, 2024,** Mr. R. Baskaran, former Principal Telecom Engineer at Southern Railway, delivered an engaging talk to **109 students** from the School of Computing. Drawing from his vast experience in railway telecommunications, he shared valuable insights on the critical role of innovation and safety in the sector

Corporate Talk by **Dr. S. Krishna Kumar,** Senior Technical Officer at CVRDE, DRDO

On **July 10, 2024,** Dr. S. Krishna Kumar, Senior Technical Officer at Combat Vehicles Research and Development Establishment (CVRDE), DRDO, delivered an insightful corporate talk to **99 students** from the School of Electrical and Communication. During the session, he shared valuable insights into defense technology and the role of innovation in driving advancements in the field.

Corporate Talk by **Ms. Indhu Menon,** HR Director at Isuzu Motors Ltd.

On **July 10, 2024,** Ms. Indhu Menon, HR Director at Isuzu Motors Ltd., captivated **58 students** from the School of Computing and the School of Electrical and Communication with an engaging session on talent management and corporate culture. Drawing from her extensive experience in human resources, she highlighted the critical importance of adaptability and continuous learning in today's fast-evolving job market.

Inspiring Talk by **Mrs. Iswariya Senthilnathan,** Director of Blinc Smart Homes Pvt Ltd

On **July 10, 2024,** Mrs. Iswariya Senthilnathan, Director of Blinc Smart Homes Pvt Ltd, delivered an inspiring talk to **59 students** from the School of Computing. She shared valuable insights on the latest innovations in smart home technology, highlighting the growing importance of sustainability and user-centric design in shaping the future of modern living spaces.

Inspiring Session by **Ms. Kalaiarasi,** Founder and CEO of Thremear Pvt Ltd

On **July 11, 2024,** Ms. Kalaiarasi, Founder and CEO of Thremear Pvt Ltd, engaged **60 students** from the School of Electrical and Communication in an inspiring session focused on entrepreneurship. She shared her experiences of starting and growing a business, discussing the challenges entrepreneurs face and the key role of innovation and resilience in achieving success in today's competitive landscape.

Engaging Session by **Mr. Vijayarajan,** Project Manager at Hogarth Worldwide

On **July 11, 2024,** Mr. Vijayarajan, Project Manager at Hogarth Worldwide, delivered an engaging session to **99 students** from the School of Computing. He shared valuable insights on project management best practices, the significance of effective teamwork, and the critical need for adaptability in today's fast-paced digital landscape.

Inspiring Talk by **Mr. Srinivasan Yagnanarayanan,** Founder and CEO of Grahas VR

On **July 12, 2024,** Mr. Srinivasan Yagnanarayanan, Founder and CEO of Grahas VR, engaged 50 students from School of Electrical and Communication in an insightful session. He shared his expertise on virtual reality technology, exploring its wide-ranging applications and the exciting future of immersive experiences.

Insightful Session by **Mr. Badri Narayanan** from Indie Semiconductor

On **July 15, 2024,** Mr. Badri Narayanan from Indie Semi conductor addressed **103 students** from School of Electrical and Communication. He shared valuable insights on business development strategies in the semiconductor industry, focusing on innovation and emerging market trends.

Engaging Session by **Mr. Arul Kirubaharan,** IT Manager at NTC Group

On **July 16, 2024,** Mr. Arul Kirubaharan, IT Manager at NTC Group, engaged **46 students** from School of Computing and School of Electrical and Communication in an enlightening session. He discussed emerging technologies and effective IT management strategies, emphasizing the importance of embracing innovation in today's fast-paced digital landscape

Industrial Talk on the **Pharmaceutical Industry**

On **July 27, 2024,** an engaging industrial talk featured key speakers Mr. Vasanth Kumar Padmanabhan and Mr. Santosh Karthikeyan Viswanathan from AstraZeneca, along with Mr. Jayapandian Nagamalaiyan from Symbiance. The session attracted **130 students** from Biotechnology and Biomedical Engineering, offering valuable insights into career pathways in clinical data science. Attendees gained a deeper understanding of opportunities within the pharmaceutical field.

Smart India Hackathon 2024

Our institute is honoured to participate in the **7th Edition of the Smart India Hackathon (SIH),** a flagship initiative by the **Government of India.** This event serves as a platform where ministries, PSUs, and private organizations present real-world problem statements, inviting students to develop innovative solutions. Marking the **5th consecutive year** of Vel Tech's involvement, the Hackathon has become a highly anticipated and popular event within our community, fostering creativity and innovation among our students.

This year, 76 teams competing in the internal hackathon on 50 problem statements. Of these, 45 teams were shortlisted, with 5 on the waiting list.

The esteemed jury panel for the event included Dr. A. Aravind, DGM - PP2, Ashok Leyland Limited; Dr. Lakshmanan, Principal R&D Engineer, Trimble; Mr. Vishnu Prasad A.D., Lead Site Reliability Engineer and API Developer; Dr. Shanmugakumar Murugesan, Founder, Modern Agriculture Technology Innovation Center (MATIC); Mr. Murugappan Krishnan, Director, Celestica; Mr. Suresh Kayamboo, Vice President and Group Vertical Head; Ms. Padma Prabha, Senior Chapter Leader, Renault Nissan Technology & Business Centre India; Mr. Kumaravel GM, SGM-AMTIX, Brakes India; and Mr. Kartheeban, DGM – Quality, Turbo Energy Limited.

During the hackathon, students worked diligently in teams, tackling challenges in various domains such as healthcare, agriculture, education, and smart cities. Their innovative ideas ranged from developing applications that enhance community engagement to creating technologies that address pressing environmental issues. The event not only tested their technical skills but also their ability to think critically and work cohesively under pressure.

Expert Mentoring at Smart India Hackathon 2024

We are grateful to Mr. Sivasankaran Krishnan, former Senior Manager at Visteon Engineering Services, Dr. Arvind, DGM of Project Planning at Ashok Leyland, Mr. Suresh Kayamboo, Vice President and Group Vertical Head, and Dr. Lakshmanan, Principal R&D Engineer at Trimble, for their invaluable mentorship during the Smart India Hackathon 2024. Their expertise, particularly in systems engineering, played a key role in guiding our students, refining their projects, and enhancing their problem-solving skills. Their support was instrumental in fostering innovation and empowering participants to excel.

Specialized Credit Course

Specialized Credit Course on Generative AI

On **July 25, 2024,** the IHL Specialized Credit Course on Generative AI, led by Md. Ilyas from Cyberheals, was successfully organized at the AI Lab of the ECE Department. **55 students** participated in the session, which included insightful discussions and hands-on activities on generative AI principles, tools, and real-world applications. The course aimed to equip students with advanced knowledge to excel in the growing field of artificial intelligence

On **July 11, 2024,** a Credit Course on Financial Analytics with Use Case was held, led by Mr. Ravikanth, a Data Scientist at M/s. Cepheid, in the Incubation Space Lab. **59 students** participated in this session, which aimed to equip them with practical skills in financial analytics for real-world applications.

On **July 12, 2024,** the Credit Course on DevOps commenced, led by Mr. Anilkumar S, Associate Director at IBM (Kyndryl). With **36 students** attending, the session provided an in-depth understanding of DevOps practices and tools, aiming to equip participants with essential industry skills.

On **July 15, 2024,** Mr. Murugappan Krishnan, a seasoned security professional, led the credit course "Investigating Data Breaches and Cyber Attacks" under the ISAC framework. With **57 students** enrolled, the course provided essential skills to analyze and respond to cyber threats and breaches. This initiative aimed to enhance expertise in handling critical cybersecurity challenges

On **July 25, 2024,** Mr. Narendh Subramaniyan, Senior App Developer at Valoriz Digital Pvt Ltd, conducted the credit course "iOS Application Creation" in the AI Lab. With **31 students** participating, the course focused on practical iOS development skills and industry insights. This initiative helped students gain essential knowledge in app development.

On **July 30, 2024,** Mr. Bharathithasan, Vice President of Mighty Infotech, conducted an engaging MongoDB course in the NI Lab. Attended by **66 students,** the session covered essential database concepts, practical applications, and best practices. The course equipped participants with valuable data management skills.

On **July 31, 2024,** Mr. Shanmugakumar, Founder & CEO of Matic, conducted the credit course "Blockchain for Smart Grid." With **40 students** in attendance, the session explored how blockchain can enhance the efficiency and security of smart grid systems. Engaging discussions and valuable insights were shared throughout.

On **August 5, 2024,** Mr. Prawin Raja, an AI language model expert, will lead the credit course "Large Language Model" at Dappgenie. With **32 students** enrolled, the course will explore cutting-edge AI techniques, offering valuable insights and practical knowledge. It aims to equip aspiring AI professionals with advanced skills

On **July 25, 2024,** Mr. Saurabh Mandal, Scientist F at CAIR DRDO, will conduct a credit course on "ML Ops." With **42 students** participating, the course will focus on integrating machine learning into operational processes. Attendees will gain essential skills and knowledge for success in the evolving AI field.

On **August 28, 2024,** Mr. Vijayarajan, a seasoned Digital Project Manager from Hogarth Worldwide, conducted a credit course on AR/VR with a use case approach. Attended by **31 students,** the session focused on practical applications of AR and VR across industries. Students gained valuable knowledge and hands-on experience in these immersive technologies

On **July 25, 2024,** the IHL Specialized Credit Course on Generative AI, led by expert Md. Ilyas from Cyberheals, was held in the Artificial Intelligence Lab, ECE Department. With **55 students** participating, the session featured insightful discussions and hands-on activities. Coordinated by Dr. Nanmaran, the course aimed to equip students with advanced skills in generative AI technologies.

On **July 30, 2024,** the IHL Specialized Credit Course on Radar Systems, led by Ms. Vijayalakshmi, a retired ISRO scientist, was held in the ECE Gallery Hall. With **52 students** in attendance, the session featured discussions and practical applications of radar technology. Coordinated by Dr. Nanmaran, the course aimed to deepen students' understanding of radar systems and their real-world uses

On **August 1, 2024,** the IHL Specialized Credit Course on "Application of Sensors in Wearable Devices" was led by experts Mr. Mohammed Sahil and Ms. Dhanushya from M/s. Atheena Milagi Pandian. With **35 students** participating, the session included discussions and hands-on activities. Coordinated by Dr. Nanmaran, the course focused on enhancing students' understanding of sensor technologies in wearable applications.

The Office of Industry Relations at Vel Tech University is offering a specialized course on IoT 4.0 for third-year B.Tech ECE students on August 31, 2024. Led by Dr. Aravind A R, Deputy General Manager at Ashok Leyland, the course covers IoT fundamentals, integration with 5G, and applications of IoT devices in a 5G network. The objective is to provide students with a solid foundation in IoT concepts, principles, and technologies.

On **September 18, 2024,** the course "Rudiments of Biomedical Equipment" was launched for biomedical students, attracting 30 enthusiastic attendees. Led by Ms. Karpagadevi, a seasoned Biomedical Engineer from TUV SUD South Asia Pvt Ltd, the session provided valuable insights into biomedical technology fundamentals. Through hands-on learning and discussions, students enhanced their understanding of essential equipment, equipping them with vital skills for their future careers.

Minor Projects Guided by Industry Experts

Mr. Anil Kumar Sandrapuri, Associate Director at Kyndryl, is mentoring a group of 10 B.Tech CSE students on their minor project focused on LLM-based chatbots. Utilizing advanced technologies such as GraphRAG, GraphDB, VectorDB, and hybrid search, he guides students in developing innovative solutions. His expertise in cloud platforms like AWS and GCP enhances their hands-on experience in machine learning projects involving Titanic and house pricing data.

Industry Experts visit our campus

On July 4, 2024, Vel Tech University welcomed Ms. Elavarasi, Senior Manager of Titan Innovation Hub, to explore potential collaborations across our various labs within the Research Park. The visit involved discussions on innovative projects and insights on leveraging our combined expertise to advance research and development. This partnership aims to create exciting opportunities in fields such as nanotechnology, smart wearables, and biomedicals, and we look forward to fostering a strong relationship with Titan.

Industry Collaborated Lab Activities

On July 8, 2024, Dr. P. Chandrakumar, Dean of Industry Relations at Vel Tech, delivered an inspiring address to students from R.M.K Engineering College participating in the IoT training at the ZF Wabco Centre of Excellence. His insightful remarks offered valuable guidance and motivation as students explored the exciting world of the Internet of Things. The session aimed to enhance their understanding and engagement in this dynamic field.

On July 19, 2024, a meeting was held with the Indian Society for Non-Destructive Testing, featuring Cmde Vijayakumar D, Executive Director, and R. Vivek, Honorable General Secretary. Dr. P. Chandrakumar, Dean of Industry Relations, and the faculty team discussed plans for organizing NDT training, workshops, and awareness programs. This collaboration aims to enhance skills and knowledge in non-destructive testing within the community.

Centre of Excellence for IoT and Smart Factory Initiatives

In-plant Training

We are proud to announce that 39 students from our Electronics and Communication Engineering (ECE) Department actively participated in a 5-day In-Plant Training Program, held from 6th to 11th June 2024. This training provided our students with invaluable industry exposure and practical experience, enhancing their technical skills and preparing them for real-world challenges in their future careers

30-Day Internship: Hands-on Learning Experience for RMK College of Engineering Students

We are pleased to announce that a group of 20 students from R.M.K. College of Engineering successfully completed a 30-day project-based internship from June 10, 2024, to July 9, 2024.

Throughout the internship, the students gained valuable hands-on experience by engaging in practical training sessions. This opportunity enabled them to sharpen their skills, apply theoretical knowledge in real-world settings, and prepare for future challenges in the engineering field.

Value-Added Program: Enhancing Skills for EEE Students

A 3-day value-added program was successfully conducted for 45 students of the Electrical and Electronics Engineering (EEE) Department from August 8, 2024, to August 10, 2024.

The program focused on delivering practical, hands-on training, offering students the opportunity to enhance their understanding and skills in key areas of their field. This intensive learning experience provided participants with valuable insights, helping them prepare for their future careers in the industry

Patent Filed: Advancing Innovation in Temperature Management

We are proud to announce the filing of a patent titled **"A Real-Time Multi-Sensors Temperature Management".**

This innovative solution focuses on leveraging multiple sensors to enhance temperature management in real time, demonstrating our commitment to cutting-edge research and technological advancement. This achievement highlights the dedication and ingenuity of our team in developing solutions for real-world challenges.

Patent Granted: Breakthrough in IoT-Based Battery Monitoring

We are excited to announce that a patent has been granted for the innovative work titled **"IoT-Based Battery Monitoring System".**

This cutting-edge system utilizes the Internet of Things (IoT) to enhance the monitoring and management of battery performance, representing a significant advancement in battery technology. This achievement underscores our commitment to pioneering research and the development of impactful technological solutions

Professor of Practice Engagements

S.No	Professor Of Practice Name	Activity
1	*Mr. S. Anil Kumar,* IT/Cloud Consulting, Kyndryl	1. Delivered a corporate talk to the students during the ICA program 2. A credit course on DevOps, 36 students participated. This course aims to provide an in-depth understanding of 3 DevOps practices and tools, fostering essential skills for success in the industry. 3. Guided 10 batch of B.Tech CSE students in their minor project with a focus on LLM-based chatbots
2	*Dr. A. R. Aravind, DGM,* Ashok Leyland Limited	1. Delivered a corporate talk to the students during ICA 2. Provided Valuable monitoring on the Smart India Hackathon 2024 3. A specialized course on IoT 4.0 for graduates Provides a basic foundation in IoT concepts, principles, and technologies. This course is for third-year B. Tech ECE students on the 31st of August 2024 4. Conducted an "Ideation Process - Problem Based Learning" at the ECE Department.
3	*Dr. Shanmugakumar,* Founder and CEO, MATIC ONE	1. Delivered a corporate talk to the students during the ICA 2. The credit course "Block chain for Smart Grid" was conducted by Mr. Shanmugakumar, With 40 students
4	*Mr. Balasundaram,* Former COO, Ford and Motherson Group	Mr. Balasundaram delivered a corporate talk to the students during the ICA
5	*Mr. R. Baskaran,* former Principal Telecom Engineer, Southern Railway	Delivered a corporate talk to the students during the ICA
6	*Ms. Vijayalakshmi,* Retd., Scientist, ISRO	1. The IHL Specialized Credit Course focused on Radar Systems, led by expert Ms. Vijayalakshmi, a Retd., ISRO scientist on 30.07.2024. A total of 52 students attended 2.On 23rd July 2024 Ms. P. Vijayalakshmi, our Professor of Practice, recently engaged in discussions with the HoD of ECE about enhancing collaboration within the communication domain
7	*Mr.Atheena Milagi Pandian,* CEO, Atheena Milagi Pandian Pvt Ltd	1. The IHL Specialized Credit Course focused on the "Application of Sensors in Wearable Devices," led by experts Mr. Mohammed Sahil and Ms. Dhanushya from M/s. Atheena Milagi Pandian on 01.08.2024. A total of 35 students attended
8	*Mr. Narendh Subramaniyan,* Senior App Developer, Valoriz Digital Pvt Ltd	1. Conducted the credit course "iOS Application Creation" 31 students were benefited
9	*Mr. Vijayarajan,* Project Manager, Hogarth Worldwide	1. Delivered a corporate talk to the freshman Engineers during the ICA program 2. Handled one credit course on AR/VR with usecases approach

On July 23, 2024, Ms. P. Vijayalakshmi, Professor of Practice, engaged in discussions with the HoD of ECE to enhance collaboration within the communication domain. Key initiatives include launching mini-projects, pursuing joint publications, and developing research proposals, alongside introducing specialized courses for students to work on professional projects with faculty guidance. These efforts aim to foster innovation, enhance student learning, and strengthen academic and industry partnerships in communication technology.

On August 3, 2024, a productive meeting was held with industry leaders Mr. Krishnan Ramaswamy, Director of M/s. Systema Automation India, and Mr. Dhurai, Vice President Operations of M/s. NTT Data Services, alongside academic experts Prof. C.S. Sivakumar and Dr. Jeganraj. The discussions centered on harnessing drone technology for agricultural applications, exploring potential use cases and project collaborations. This collaboration aims to pave the way for innovative solutions that enhance agricultural productivity and efficiency.

On September 18, 2024, the Vel Tech Office of Industry Relations hosted a meeting with Dr. Chandra Kumar P, Dean of Industry Relations, and Mr. C.S. Sivakumar, Advisor of Industry Relations, alongside NTC Logistics Pvt Ltd representatives. Mr. Thillaiarasan Natarajan, Director of Special Projects & Heavy Lift Engineering, and his transportation team explored Vel Tech's business practices, including end-to-end solutions for various research activities. The discussion focused on successful collaborations involving faculty and students on projects related to IoT, as well as educational program support in logistics and supply chain management.

Other Activities

On August 8, 2024, a vibrant biotech workshop attracted 51 enthusiastic school students, providing an engaging introduction to biotechnology concepts and applications. The workshop featured interactive sessions and demonstrations, encouraging curiosity and hands-on learning to foster a deeper understanding of the field. This initiative aims to inspire young minds and ignite their interest in science and technology, paving the way for future innovations in biotechnology.

On September 20, 2024, a distinguished panel of experts, including Dr. Shankar Venugopal, Vice President of Mahindra and Mahindra Ltd., and Mr. Meenakshisundaram, CTO of Ameglations Group, addressed 20 students at the AI Lab in the Research Park about the Flame Mahindra Technical Learning initiative. The speakers shared valuable insights into the latest industry trends and technological advancements, inspiring students to pursue innovative research and development in engineering. This session aimed to encourage a forward-thinking approach among the participants.

On September 21, 2024, Dr. Arvind, DGM of Project Planning at Ashok Leyland, conducted an "Ideation Process - Problem Based Learning" session at the SoC Lab in the ECE Department. The workshop provided valuable insights into creative problem-solving techniques. Students were empowered to develop innovative solutions for real-world challenges.