

**ANNUAL EDITION
2021-2022**

**DEPARTMENT OF
COMPUTER SCIENCE AND
ENGINEERING**

TECHCHRONICLES

AHALIA  **SCHOOL OF ENGINEERING & TECHNOLOGY**

SO 9001:2015 Certified Institution. Approved by AICTE & Affiliated to A. P. J. Abdul Kalam Technological University

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AHALIA SCHOOL OF ENGINEERING AND TECHNOLOGY (ASET)

ABOUT

Ahalia School of Engineering & Technology (ASET), Palakkad, an ISO 9001:2015 certified institution, is approved by All India Council for Technical Education (AICTE) and is affiliated to the A. P. J. Abdul Kalam Technological University, Kerala. We provide world-class technical education and training in the fields of Science, Engineering, Technology and Management to meritorious students from diverse socio-economic backgrounds. The college is located in a lush green campus with a beautiful view of the Western Ghats. It provides a peaceful and congenial atmosphere, ideal for students for their overall holistic development. Ahalia School of Engineering and Technology offers five Bachelor of Technology (B.Tech.) courses in Civil Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering and Mechanical Engineering, that is complemented by various co-curricular and extra-curricular activities. ASET is one of the several institutions in Ahalia Campus.

VISION

Grow as a centre of learning and research, transforming students to professionals with knowledge , skill, competence, commitment, confidence and ethics to serve the society

MISSION

To impart value-based education and promote curricular, co-curricular & extracurricular activities amongst students through extensive theoretical & practical training by qualified and experienced personnel using state-of the-art facilities. To promote research and consultancy for institution development and contribution to the society



MESSAGE FROM PRINCIPAL



**Dr. P. R. SREEMAHADHEVAN PILLAI
PRINCIPAL**

THE "HALF-CLAD FAKIR" WHO CHANGED OUR DESTINY

Mohandas Karamchand Gandhi (02 October 1869-30 January 1948), the "Mahat-ma (great soul) of India, inspired freedom movements across the world. Born in coastal Gujarat, Gandhiji got trained in law at the Inner Temple, London, and was called to the bar at the age of 22, in June 1891. He moved to South Africa in 1893 to represent an Indian merchant in a lawsuit. He went on to live in South Africa for 21 years and initiated non-violent resistance in the campaign for civil rights. In 1915, at 45, he returned to India.

By organizing peasants, and urban labourers to protest against excessive land-tax and discrimination, slowly he assumed leadership of the Indian National Congress. In 1921, Gandhiji led nationwide campaigns for easing poverty, expanding women's rights, building religious and ethnic amity, ending. untouchability, and above all for achieving self-ruffe.

In 1921, Gandhiji adopted the use of an Indian loincloth and a shawl, woven with yarn, hand-spun on a traditional Indian spinning wheel as a sign of identification with India's rural poor. He also began to live modestly in a self-sufficient residential community, ate simple vegetarian food, and undertook long fasts as a means of self-purification and political protest. The British called him the "half-clad fakir", for this life style. Bringing anti-colonial nationalism to the common Indians, Gandhiji led them in challenging the British-imposed salt tax with the 400 km Dandi Salt March in 1930 and in calling for the British to quit India in 1942. He was imprisoned many times and for many years in both South Africa and India.

Gandhiji's vision of an independent India based on religious pluralism was challenged in the early 1940s by a new Muslim nationalism which demanded a separate Muslim homeland carved out of India. In August 1947, Britain granted independence, but the British Indian Empire was partitioned into two dominions, the Hindu-majority India and the Muslim-majority Pakistan. As many displaced Hindus, Muslims, and Sikhs made their way to their new lands, religious violence broke out, especially in Punjab and Bengal. Gandhiji visited the affected areas, attempting to provide solace. In the months following, he undertook several hunger strikes to stop religious violence. Nathuram Godse assassinated Gandhiji on 30 January 1948 by firing three bullets into his chest.

Gandhiji's birthday, 2nd October, is commemorated in India as Gandhi Jayanti, a national holiday, and worldwide as the International Day of Non-violence. Gandhiji, the Father of the Nation, also called Bapu (father), changed the outlook of the Indian masses. From a subjugated country to an independent India, he could re-work on the Indian psyche. This great son of India gave a role model for the enslaved countries, aptly acknowledged by freedom fighters like Nelson Mandela. On this Gandhi Jayanti, we join the country men in paying tribute to this great soul.



MESSAGE FROM HOD



DR. S. GUNASEKARAN
PROFESSOR & HEAD OF
DEPARTMENT - CSE

Dear Students,

It gives me immense pleasure to reach out to you all through this edition of our student magazine. I am proud to witness the incredible enthusiasm, innovation, and dedication each one of you brings to the Computer Science and Engineering (CSE) department. Your curiosity, hard work, and continuous drive for excellence are what make our department a thriving hub of learning and growth.

As we move forward in this rapidly evolving world, technology continues to shape every aspect of our lives. We are witnessing transformative advancements in areas such as Artificial Intelligence (AI), Machine Learning (ML), Blockchain, the Internet of Things (IoT), Quantum Computing, and Cybersecurity. These are no longer concepts of the future, but technologies that are actively shaping the present and demanding new skill sets. I encourage each one of you to explore these fields, stay updated, and actively engage with them in your projects and research work

Ahalia School of Engineering and Technology College is committed to providing the best platform for you to build your future. With the introduction of newer technologies and collaborations with industry, we aim to equip you with the tools to innovate and lead in your careers. I urge all students to take advantage of these opportunities and strive to become pioneers in this dynamic and ever-evolving field

Remember, learning is a lifelong journey, and the best way to predict the future is to create it. I wish you all the very best in your academic endeavors, and I look forward to seeing the remarkable achievements and contributions you will bring to the world of technology.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ABOUT

The Department of Computer Science and Engineering at the Ahalia School of Engineering and Technology, Palakkad was started in the year 2012 at the time of starting of the engineering college and provides an outstanding academic environment complimented by excellence in teaching. The department offers B.Tech degree. The Department has a comprehensive syllabus on topics covering all the aspects of computer hardware and software with an emphasis on practical learning. The course structure includes courses on latest topics to equip our students with the latest developments in computer science and engineering.

VISION

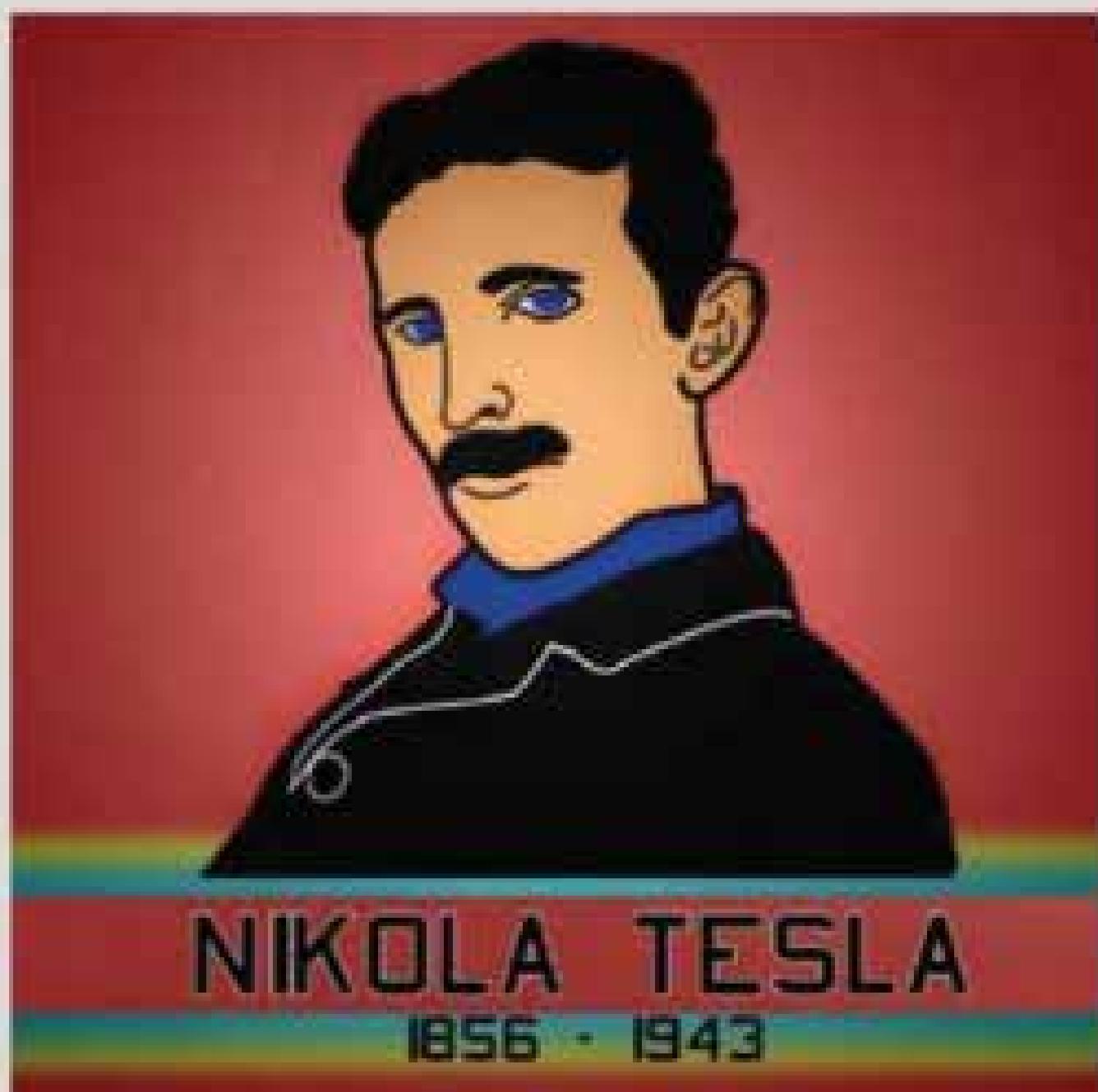
To develop engineers with knowledge and computing skills to become successful in their profession and service to the society.

MISSION

To practice effective teaching-learning methods that would ensure the production of quality graduates. To expose students and faculty to advancements in the field of computer science and engineering through workshops, seminars, industrial collaboration, etc. To promote an understanding of other branches of knowledge through interdisciplinary research and projects. To develop a strong sense of ethics in the students and emphasise awareness about the social and legal issues.

ARTICLES

ARTICLES



Hariprasad
S3 CSE



Kezia Aliya Peter
S3 civil



Thahaseen
S7 CSE

ARTICLES



Aiswarya K
S5 CSE



Amitha Mohandas
S7 CSE



ARTICLES

ALIENS ARE REAL!

The Aliens and the concomitant UFO sightings are an overly contentious topic that has remained a mystery and continues to be so in its entirety or at least in parts for many a centuries till date. Probably the incidents of sightings of these extra terrestrial ultra modern space ships with varied geometries equipped with camouflaging capabilities, unmatched velocity and much more, added to the presence of extremely hostile and strange visitants inside it, could be the longest argued and most belligerent subject in history of mankind next to the one on 'existence of God'.

There has been countless incidents of UFO sightings from different corners of the earth over the past many decades some of them were brought on record using various highly sophisticated sensing and recording devices the latest being the US Navy's laudable effort that has quite convincingly captured these ultra modern spaceships hovering over our planet, to add more credibility and cogency to it, the most powerful defence office in the world- the Pentagon has of late verified and released a press note stating that the strange fast moving object that was captured on US navy camera sometime earlier was indeed a UFO. And this top level testimonial from the highest echelon can aptly be considered as a precursor towards renaming UFOs to IFOs as these objects are no longer unidentified rather they are pretty much identified. But the purpose of visit of theirs, still remains very much unknown.

Aliens, the travelers inside these UFOs probably are an evolved living being, rather an evolved soul that perhaps has the occult powers to materialize and dematerialize in and out of a human form at their will, and these aliens being highly evolved souls, as against the popular belief, can never do any harm to the human beings or for that matter to any living beings on this planet earth, they can only aid us in whatever way possible to raise the entire human race to a higher pedestal of consciousness and existence. These aliens are understood to be inhabitants of far off galaxies that could be ahead of our galaxy by at least a century in all aspects which is strongly justified by the astonishing capabilities of their vehicle, the UFO, something which probably works on highly advanced principles of nanotechnology that are still beyond the grasp of our scientists and engineers.

These apparitions, being highly evolved never deliberately materialize in front of a human being because they being advanced can very well sense the thoughts of a normal human and it can very well discern that such an act would be extremely scary and fatal from the point of view of a human. But these aliens who in a way are our own brethrens are always on the lookout for an opportunity to lend a helping hand to the human race which has got itself heavily tangled in a bloated pursuit for worldly and materialistic goodies which has lead to the vicious episodes of violence and many a horrendous acts on this planet to which we the humans has almost got accustomed to. This noble purpose of theirs to assist the humans in whatever way possible could be the reason why there has been innumerable UFO sightings throughout the history, in fact these aliens are on the constant lookout for the right set of people and community or even a grouping on the planet earth that are much evolved to accommodate an alien in their conscious thoughts so that these brethrens of ours from far off planets could work through these people or grouping to carry out their divine purpose of raising the humans and all the inhabitants of the planet earth to a higher level of existence where there are no geographical or emotional boundaries or separation among living beings, where living beings freely communicate through thoughts what is often referred to as telepathy by the modern science. But unfortunately these aliens could not find success till this moment in their countless endeavors for the want of such an evolved set of human grouping on this planet earth.

But going by the earnest, tenacious and unceasing efforts of theirs, it could very well be said that these apparitions would definitely, one day be able to carry out their godly mission which would subsequently revolutionize this entire planet in a big way leading to the formation of a renewed and reformed earth devoid of any sort of unjustness that perhaps would be beyond our immediate comprehension and grasp. Unfortunately to witness that revolutionary day our present lifetime would be too insufficient as that 'would be' glorious day seemingly lies many a centuries from here....



Anand Haridas

Asst Prof. - CSE

ARTICLES



ചുണ്ടിലൊള്ളിപ്പിക്കാൻ എന്നുമാരു പുണ്ടിരിയുണ്ടെന്നിൽ
കീറിത്തെനിൽ ഒസ്യാനേന്തുറിപ്പിന്
വരികൊള്ളുന്നിൻ ?
നാളുപട്ടത്തുവാനായ്
പരമ്പരം കണക്കുട്ടിയും പഠാണ് നാമശ്ശ,
നിനാളുപട്ടത്തിയുമും എനിക്ക്,
നാളുമായകും
എന്നെന്നെന്നയാണ് !!!



വിന്ദമയ രഹൻ
57 CSE

Sunset

She's coming to me every day with a smile,
Reminding me that I have to go a mile.
Wondering what happened; for a while,
And then I move on with a smile.

Wherever I go she follows me every day,
Behind me, all along the way.
I can't make a day without her presence,
She's the one who understands my silence.

Whenever I'm alone she is with me,
Beside my window, and then its 'we'.
When the rain comes she hides somewhere,
Though she knows I am there.

As soon as I am home she's near the ground,
With birds around her, without making sound.
Then she is disappearing without waving Goodbyes,
Hoping to see her tomorrow, I'm closing my eyes.



Mr. Roshan Sanu
Assistant Professor, CSE

ARTICLES

Self-deception

The human brain in its cosmic sense, probably could be the most malleable substance in the whole human system. The brain gets this occultness solely due to the fact that it seats the most potent gland in the whole human system—the pineal gland, to which no modern science could attribute any direct tangible functionality till date. This tiny yet powerful gland in turn hosts the essence of the human existence—the all-pervading, the eternal, soul or the spirit. And by virtue of this uncommon and peculiar nature, the brain could be moulded, unmoulded and remoulded according to its custodian's intent. And the pace at which this happens is directly dependent upon the might of the wish or the intent, the more the mental exertion, the faster the moulding process is. The modern science simply calls it by the now ubiquitous term—neuroplasticity, and the commoners call it by the simpler terms—self-deception.

Why self-deception? Because it indeed is a clever art of deceiving the brain—the power house of human system, to make it believe that whatever mental image that is put into it consistently over a period of time accompanied by vociferous visualizations, feel, emotions and pulse that are real life-like, will eventually make it believe that all these persistent images are reality and thus it gets itself wired and shaped up in the new mould consistent with the images that had been sown into it so deeply. Thus the caretaker of this powerhouse gets into a totally different mould and exists to be in an auto pilot mode because the brain has already got wired and rewired in congruence with the thoughts and visualizations fed into it requiring the custodian to put in no more efforts in the moulding process.



Anand Haridas

AP - CSE
ASET



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Succinctly, this whole thing could be perceived very well as a process akin to pot making. In traditional pot making process using clay, the walls of the hands acts as the cast that shapes the clay into the desired product that spins on the potter's wheel with a consistent speed. Similarly the human clay that spins on the wheel called as the 'wheel of thought-persistency' gets itself shaped up according to the 'hands of the thoughts' and visualizations that comes into contact with it. And this brain modeling that happens through this deceptive process is the underlying reason for a person for being what he or she is, apart from the various other subtle, cosmic, invisible and at times, complex factors such as the carry-overs from the many a previous life terms that we had on this planet earth.

As a matter of fact, the one who is seemingly adept at this art of self-deception from a totally new vantage point is perhaps the one who has gained the real ownership of his or her life. So Let's all, very well own our precious existence on this planet earth by being the greatest 'self-deceivers' in its rightful sense...

STAFF ACHIEVEMENTS

STAFF ACHIEVEMENTS

COURSERA COURSE COMPLETION BY STAFF

Name of Faculty	Name of the Course
 AKHIL NV Assistant Professor - CSE	<ul style="list-style-type: none">Google Cloud Platform Fundamentals: Core InfrastructureElastic Google Cloud Infrastructure: Scaling and AutomationEssential Google Cloud Infrastructure: FoundationReliable Google Cloud Infrastructure: Design and ProcessArchitecting with Google Compute Engine(Specialization certificate for Google Associated Cloud Engineer)
 Sreerag B M Assistant Professor - CSE	<ul style="list-style-type: none">An Introduction to Interactive Programming in PythonText Retrieval and Search EnginesR ProgrammingAI For EveryoneIntroduction to Machine Learning
 Krishna Kumar C Assistant Professor - CSE	<ul style="list-style-type: none">Python for Everybody
 Roshan Sanu Y Assistant Professor - CSE	<ul style="list-style-type: none">Cyber security and Internet of ThingsIntroduction to Virtual RealityIntroduction to HTML5

STAFF ACHIEVEMENTS

COURSERA COURSE COMPLETION BY STAFF

Name of Faculty	Name of the Course
 Aswathy P V Assistant Professor - CSE	<ul style="list-style-type: none">• The Data scientists toolbox(Data science specialization)• R programming• Getting and cleaning data• Programming for everybody (getting started with python)
 Anand Haridas Assistant Professor - CSE	<ul style="list-style-type: none">• Block chain technology
 Sruthy Sukumaran Assistant Professor - CSE	<ul style="list-style-type: none">• The Data scientists toolbox(Data science specialization)• R programming• Write Professional Emails in English• Programming for everybody (getting started with python)
 DR.S.Gunasekaran HoD - CSE	<ul style="list-style-type: none">• The Data scientists toolbox(Data science specialization)

PLACEMENTS

CONGRATULATIONS

Congratulations

For getting placed in 6D Technologies



Navas Sherif I
S8 CSE
Software Developer



Thahseen Shadat
S8 CSE
Implementation Engineer

AHALIA



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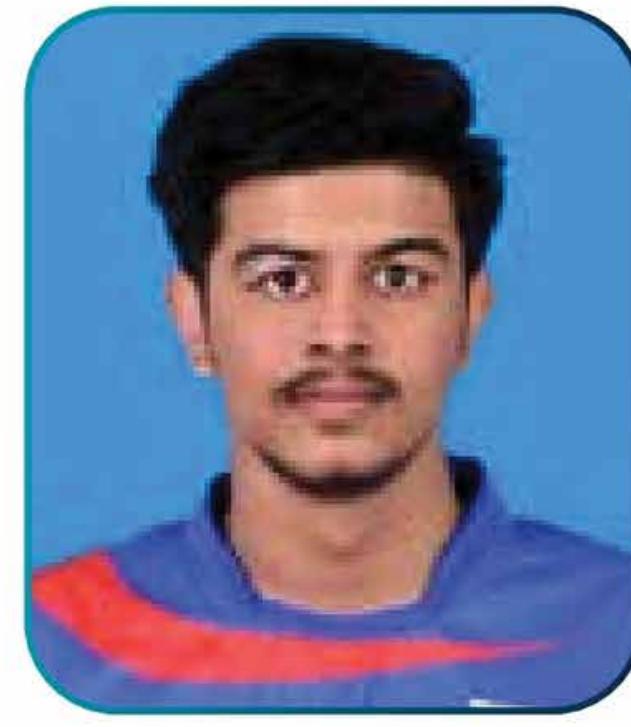
PLACED AT INFOSYS



Amitha Mohandas
CSE



K. Deepthi
CSE



Ajay Prakash Nair
CSE



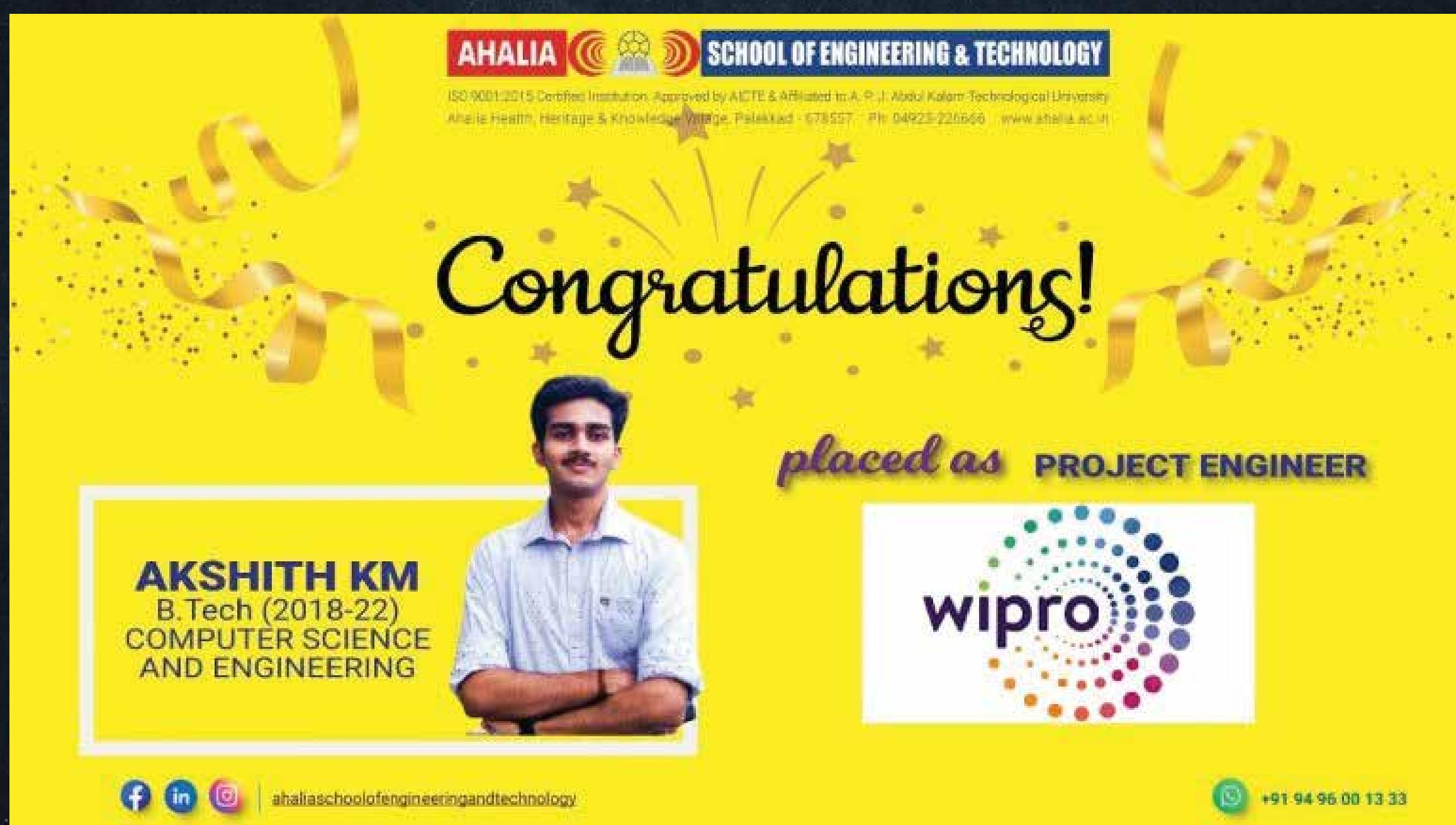
Vishnu Prasad
CSE



Anandu K.
CSE



Ramya Vijayakumar
CSE



Congratulations

For getting placed in

**Tech
Mahindra**



Gokul R
2017-2021 CSE

Congratulations

For getting placed in **Qburst**



Keerthi S
S8 CSE

Congratulations!



Swathika K.V.
B.Tech(2017-21)
COMPUTER SCIENCE &
ENGINEERING

placed as
QA ANALYST





STUDENT ACHIEVEMENTS



Google
Analytics Academy

GOOGLE ANALYTICS ACADEMY CERTIFIED STUDENTS

Congrats



Hari Prasad B &

Shibin T A of

S-4 CSE



Hariprasad wins Photography Contest

Mr. Hari Prasad B. of Computer Science and Engineering (2019-23 Batch) wins third prize in the photography contest 'Clean Lakas – Much closer to earth's soul' organized by the IEEE Student Branch of GEC Idukki.



Hari Prasad B.
2019 - 23 , CSE

DEPARTMENT TOPPER



Sahanaas I.
CSE (CGPA 8.78)

COMPLETED HONOURS DEGREE



Sahanaas I.



Thanveer Ansik Ali Akbar
CSE

CSE
EVENTS



On 25/11/2021 Thursday the industrial visit from Ahalia School of Engineering and Technology was to Metrolite Roofing Pvt. Ltd.(JSW) and Stahlkind Pvt. Ltd. The students from S5 CSE were taken for the IV. Mrs. Sruthy Sukumran (Asst. Prof., CSE), Mrs. Rabeena T. M. (Asst. Prof., CSE), Ms Bindu Valoor (Manager, Academics Outreach, Ahalia Group of Institutions) and Ms. Rinsky M. (Counselling Psychologist, Ahalia Group) accompanied them. The engineers of the respected industries explained all the procedures to the students and addressed their queries. The IV was 1.30 p.m. to 4.00 p.m.