



**Thanthai Periyar Government  
Institute of Technology  
Vellore- 632002**

# **NEWS LETTER**

**January - 2019**



**Editorial Board:**

- ❖ **Dr.V.KUMAR - PRINCIPAL,**
- ❖ **Prof.K.KARTHIKEYAN – ASSISTANT PROFESSOR ENGLISH**

**From the Principal's desk,**



**Greetings to all!**

The newsletter of our institution, TPGIT News, has been brought out every year by the editorial team of our college. To inform regularly all activities in the institution and achievements and contributions of faculty and students to all stakeholders of the institution, it was decided during third week of January 2019 to bring out the TPGIT News every month. I am quite happy to place the first month issue, January issue, before the stakeholders for constructive comments and suggestions. Since being the first issue, the contributions made by the faculty and students towards the newsletter is limited in quantity.

As informed in the Principal's circular regarding our college newsletter, it is highly expected again that all faculty members contribute research papers, motivational stories, essays etc. towards forthcoming issues. They can list the FDP, QIP and STTP attended by them during the month. Details of publications in research journals and conferences can also be listed.

Contributions from the students are vital and shall form the backbone of the newsletter by submitting works like articles, papers and motivational stories and essays, poems, photos, freehand sketches, etc. to be published in the monthly. Students need not constraint themselves by keeping their potentials dormant. It is not how much you know, but the real game changer is what you do or make with what you know. Your examination marks or grades do not matter here as your talents are not represented by them or measured using the grades. If you truly care about the quality of what you contribute here and adopt the same in your student life, everything becomes easier right from the examinations to career and life style.

This newsletter is divided into three compartments; first one for events in the college during the month, second for the achievements of staff and their contributions and the third compartment is reserved for students.

Hope and wish a happy journey to TPGIT News with all compartments fully loaded. My sincere thanks goes to Prof.K. Karthikeyan, Assistant Professor in English, for the dedication shown by him in bringing out the newsletter, and also extend my best wishes to all.

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## CALENDER OF THE EVENTS HELD IN THE MONTH OF JANUARY, 2019

### **TPGIT Staff Club Meeting - 03.01.2019**

Our College Staff Club conducted a meeting at Media Centre on 3<sup>rd</sup> January 2019. Principal Dr. V. Kumar presided over the function and President of the Club Dr. M. Tamil Selvan and Secretary Dr. N. Kalaivasan in consultation with senior staff members elected new office bearers for various committees so as to smoothly carry out the staff club functions and allied activities.

During his address, Principal outlined the ethics and decorum to be followed by a teacher and the additional responsibilities of a teacher towards students suffering from the social and technological distractions.

He also stressed that it is not ethically and morally correct to receive salary month after month without performing and taking classes for our beloved students.

### **Stone-Unveiling Ceremony for Technical Skill Development Institute (SIEMENS LABS) – 04.01.2019**

Foundation Stone-Unveiling Ceremony of SIMENS Skill Development Labs, inaugurated by the honourable Chief Minister of Tamil Nadu, was held on 4<sup>th</sup> January, 2019. Our Principal, Dr. V. Kumar, unveiled the foundation stone. Heads of the Departments and staff members and members of the SIMENS LAB participated in the ceremony.



### **Placement Training Programme for B E Final Year Students – 07.01.2019**

A placement training programme on '**Interview Skills Training**' for final year BE students of our college was conducted from 7<sup>th</sup> to 11<sup>th</sup> January, 2019. The training

programme, sponsored by TITAN Industries, Hosur, was conducted by experts and resource persons from Mahindra Pride School, Chennai.



Students who participated in the training programme with the resource persons.



Our principal Dr.V. Kumar during the valedictory address. Prof A. Muralidhar, HoD/Mechanical Engineering, Prof. D.V. Vidhayasagar, Civil Engineering, and resource persons from Mahindra Pride School, Chennai, on the dais.

**Felicitation of Sportspersons at Media Centre – 08.01.2019**

Sportspersons both men and women of our college participated at various inter-collegiate tournaments under Anna University Zone-6 and brought laurels to our institution by

winning various games. Our beloved Principal Dr. V. Kumar felicitated the sportspersons at a function organized at Media Centre on 8<sup>th</sup> January, 2019.



Principal Dr. V. Kumar honouring the winners and HoDs, Professors on the stage and sports persons in a group with the Principal and staff members.

**Public Sector Employment-Opportunity Awareness Programme – 11.01.2019**



Scientist Dr.A Arul Anantha Kumar delivering his lecture to the gathering.

Department of Atomic Energy, as part of their E-Outreach programme, conducted an awareness programme on public sector employment-opportunities and importance of GATE examination at Media Centre on 11<sup>th</sup> January 2019. An eminent scientist, **Dr. A. Arul Anantha Kumar**, from *Indira Gandhi Centre for Atomic Research, Kalpakkam*, addressed the gathering in two sessions and elaborated the prospective employment

opportunities available for the fresh engineering graduates in Public Sector Undertakings based on GATE Score.

Our Principal, Dr.V. Kumar, presided over the programme and all the HoDs and staff members were also present during the programme.

#### **Launching of A4 classroom – 21.01.2019**

A4 Classroom in the main building was reopened to accommodate students of first year CSE after renovation and bifurcation.

Staff room space to accommodate the faculties of Department of English has been created in the renovation work.

#### **Mental Health Awareness cum Counselling Programme – 22.01.2019**



Our students attending the awareness programme at Media Centre. The resource person from School of Nursing, CMC, Vellore.

Our College organised a-three-day mental health awareness and counselling programme for all our students except first year in the College Media Centre from 22<sup>nd</sup>, 2019 to 24<sup>th</sup>January, 2019. Expert resource person, Ms. Shreejana K.C., School of Nursing, CMC

Vellore, conducted the counselling programme and estimated the level of awareness among the engineering students in help-seeking behaviour regarding mental illness.

#### **Republic Day Celebration and Prize Distribution – 26.01.2019**

Our College celebrated **the 70<sup>th</sup> Republic Day** of our Nation with great pride in our college premises on 26 January 2019. Dr. V.

Kumar, Principal, TPGIT, hoisted the Tri-Colour in the administrative block. Heads of the Departments, Staff members both teaching

and non-teaching and students, participated in the ceremony in honour of the Constitution of India which came into being on the same day in 1950.

Students honoured the National Flag by marchpast and recited poems and spoke on

Our honourable Principal also honoured the outstanding students from all Departments by



Principal Dr.V. Kumar, unfurling our National Flag in the college premises and honouring a student during the Republic Day celebration.

the importance of the Constitution. During his address the Principal highlighted the rights of every citizen guaranteed by the Constitution.

disturbing prizes as a token of appreciation of their academic excellence.



### Capacity Building Training Programme for Students – 28.01.2019

Our Principal, Dr. V. Kumar, addressing the gathering during the inaugural function of the training programme. Prof.A. Muralidhar, HoD/Mechanical Engineering, and Prof. P. Praveen Raj, are on the dais.

Tamil Nadu State Council for Science and Technology, Chennai, in collaboration with Thanthai Periyar Government Institute of Technology, Vellore, organised a capacity



building programme on Training **Young Engineers from Institution to Industry** at Mechanical Engineering Seminar Hall and Media Centre of our college. The aim of the

programme is to train final year engineering students studying in various colleges in Vellore Zone. The programme has been scheduled in two phases. Phase one is from 28<sup>th</sup> to 30<sup>th</sup> January, 2019 and Phase two is from 4<sup>th</sup> to 6<sup>th</sup> February, 2019.

Dr.V. Kumar, Principal, TPGIT, inaugurated the first phase of the capacity building programme at Mechanical Engineering Seminar Hall on 28<sup>th</sup> January, 2019. Prof. A. Muralidhar, Placement Officer and HoD/ Mechanical Engineering presided over the launching of the programme. Prof. P. Praveen Raj, Assistant Professor/Mechanical Engineering, welcomed the gathering. Heads

of the Departments, Staff members were present during the inaugural.

The programme aims to prepare and train the final year engineering students to meet the demands and expectations of the industry. Industrial Experts from TNSCST, SIDCO, TIDC, TIIC and resource persons in Soft Skills shared their industrial expertise and experience and prepared and trained the young engineers in institutions to industry readiness. Not only students of TPGIT, but also students from all other Engineering Colleges in the Vellore zone participated in the capacity building training programme.

### **Bhoomi Pooja Ceremony for the Construction of Departments of EEE and CSE – 29.01.2019**

#### **Bhoomi Pooja**



First brick being laid by our principal Dr. V. Kumar. Principal, HoDs, Engineers from PWD and Staff members after the stone laying ceremony.

On 29<sup>th</sup> January, 2019, the Bhoomi Pooja (ground breaking ceremony) for construction of a separate block for Department of Electricals and Electronics Engineering and Department of Computer Science and Engineering was conducted by the Technical Education Wing of Tamil Nadu Public Works

Department and presided over by Principal Dr. V. Kumar by breaking the ground and laying the first brick. Heads of the Departments, Staff members of TPGIT, Engineers from PWD, contractor and contract firm staff were present during the ceremony.

## Contributions by Staff

### Machine Learning

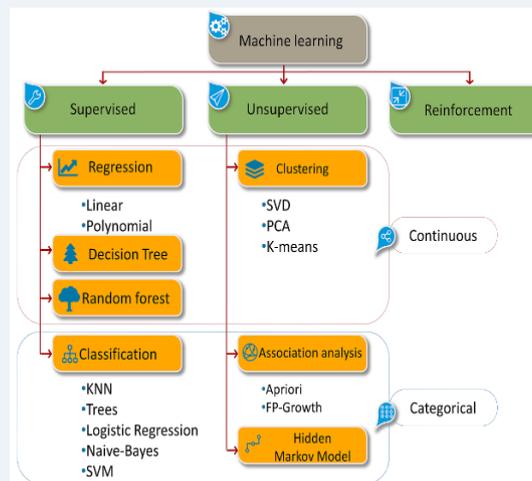
Machine learning was expounded in 1959 by Arthur Samuel as the "field of study that gives computers the ability to learn without being explicitly programmed." This means inspiring knowledge to machines without hard-coding it.

### Difference between AI & ML & Deep Learning

Artificial Intelligence is the broader concept of machines being able to carry out tasks in a smarter way. It covers anything which enables the computers to behave like humans.

Machine Learning is a subset of AI and is based on the idea that machines should be given the access to data, and should be left to learn and explore for themselves. It deals with the extraction of patterns from large data sets.

Deep Learning is a subset of Machine Learning where similar Machine Learning Algorithms are used to train Deep Neural Networks so as to achieve better accuracy in those cases where former was not performing up to the mark.



### Types of Machine Learning

1. **Supervised Learning:** The computer is given with example inputs and their desired outputs and this learning continues until the model achieves a desired level of accuracy.  
Examples: Image classification, Market prediction
2. **Unsupervised Learning:** No label is given to learning algorithm but allowing it to find its own structure in its output. It is used in clustering population in different groups.

Examples: Clustering, High dimensional visualization, Generalization

3. **Reinforcement:** A computer program interacts with a dynamic environment in which it must perform a certain goal.  
Example: Playing a game against an opponent.

### Applications of Machine Learning

1. Web Search Engines.
2. Photo tagging applications.

3. Spam Detector.
4. Database mining for growth of automation.
5. Applications such as vehicle driving, recognition of tasks from unordered data such as face recognition, handwriting recognition, natural language processing, computer vision etc.

#### **Forecasts for future of machine learning**

- Improved unsupervised algorithms for different datasets.
- Enhanced personalization.
- Rise of robots.

- Increased adoption of quantum computing.
- Improved cognitive services.
- Intelligence on cloud.
- New approaches to Cyber Security.
- Voice based computing.
- Emerging of capsule networks.
- Medical diagnosis through AI.
- Building own Artificial Intelligence.
- AI powered virtual agents.
- Trending in Software based architecture.

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***N. Jagadeeswari, M.E.,***  
*Assistant Professor*  
*Department of Computer Science & Engineering, TPGIT*

## ACHIEVEMENTS OF THE STUDENTS



Our students Monishwaran A and Jayaprakash R, both from III BE ECE, won the first place in Phoenix '19, a technical symposium held at Adiparasakthi Collge of Engineering, Kalavai, Tamil Nadu. They did their presentation on the topic 'Internet of Things' and came out with first prize.

## **3D PRINTING**

Unlike the conventional manufacturing, 3D printing adds more material than that of removing the material from the stock item under the computer control to create a 3D object, typically layer by layer.



3D printing techniques were initially considered only to produce the functional or aesthetical prototypes (RAPID PROTOTYPING), but currently they are also used for the industry production due to its increased precision, repeatability, material range which is also known as ADDITIVE MANUFACTURING. 3D printing can be used for printing more

complex shapes and are always started from a 3D model or a CAD file. The 3d model or CAD file can be created by using 3D scanner, or by a plain digital camera and photogrammetry software. These 3D models can be saved in stereo lithography (STL) file format for the further processes in 3D printing.

There are many different 3D printing processes, the most commonly used technique is FUSED DEPOSITION MODELLING (FDM) which produces the object by typically adding the material layer by layer.

3D printing has entered the world of clothing, with fashion designers experimenting with 3D printed shoes and dresses.

Additive manufacturing of food is also being developed by squeezing out the food, layer by layer. The most commonly 3D printed

eatables are chocolates, candy and flat foods such as pasta and pizza.

It is mandatory that every one of us should be aware of 3D printing techniques and their advantages. If not, start learning from now.

**R .Narendiran,**  
IV BE Mechanical Engineering

## Negative Mass

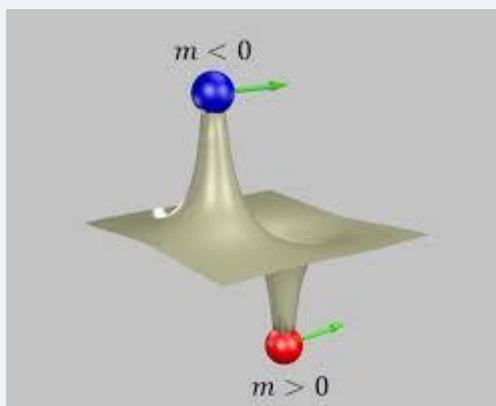


Sometimes science makes progress by adopting a **negative** attitude.

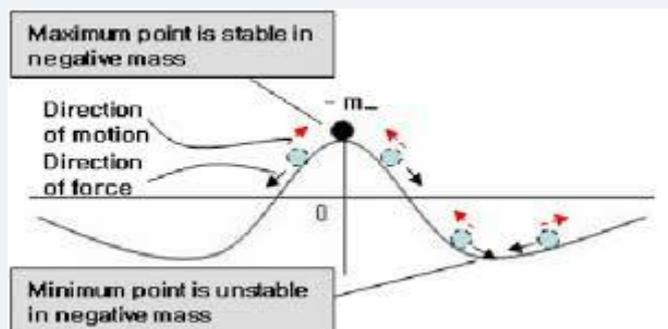
Electricity, for instance, would be impossible to understand without realizing that electric charge can be either positive or negative. **Negative** numbers once seemed a little suspicious, but they are really useful for companies that lose money or for keeping track of temperatures in Antarctica. Even negative energy, weird as the idea seems, has been experimentally demonstrated. And since energy is merely matter's evil twin, you'd think that there would be such a thing as negative mass as well. But nobody has found the slightest sign of anything with **negative mass** in the real universe.

### **What is negative mass?**

In theoretical physics, negative mass is matter whose mass is of opposite sign to the mass of normal matter. e.g.  $-1$  kg.



It's the opposite of positive mass, and all positive masses attract each other. So positive mass would repel negative mass, right? Well, not exactly. A negative mass Newtonian apple would fall down to Earth just like a positive mass apple. But on a negative mass planet, both



positive and negative mass apples would "fall" up. That sounds weird, but it's logical. For an ordinary apple, the Earth's positive mass exerts an attractive force downward, and so, according to Newton's second law, the apple will accelerate in that direction, toward the Earth. For a negative mass apple, the force would be negative, and therefore upward. But the acceleration would also be negative — that is, in the opposite direction of the force. So the negative mass apple would still fall downward.

### **How does negative mass behave?**

**Negative mass** wouldn't always behave like positive mass, though. Suppose you shot a negative mass bullet at a brick wall. When the bullet hits the wall, the wall exerts a force against the bullet, trying to push it back toward the gun. This force will accelerate the (-ve) mass bullet in the other direction -that is, through the wall. So no matter how thick the wall is, the bullet will speed right through it.

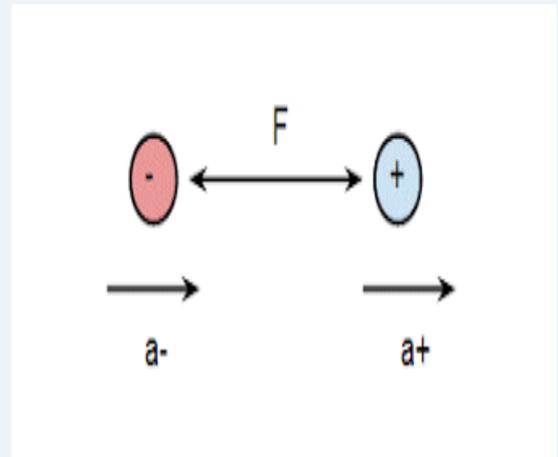
At this point, you should ask what happens when two objects of the same mass-magnitude, one positive and one negative, find themselves in the same neighborhood. Do they repel or attract?

A detailed analysis of that question was worked out by Hermann Bondi in 1957. Bondi was an Austrian-born physicist who was most famous for developing the steady-state theory of the universe. Perhaps more significantly he was also a major player in developing interest in Einstein's general theory of relativity during the 1950s.

Bondi worked out the general relativistic math for the case of two bodies, one with ordinary (positive) mass and one negative. Positive mass attracts all masses, so Body (+ve mass) attracts Body (-ve mass). But negative mass repels all masses, so Body (+ve) would fly away from Body (-ve). So (-ve) tries to get closer to (+ve), because (+ve) attracts it, while (+ve) tries to get farther away from (-ve), because (-ve) repels it. Consequently (-ve) chases (+ve) across the universe at an ever accelerating speed.

All this is very interesting, but also probably moot, as there doesn't seem to be any reason to believe that negative mass actually exists. But that doesn't stop physicists from speculating (or even theorizing) about it. After all, scientists cannot say what 85 percent of the matter in the universe is made of.

If the negative mass is actually exists, we can use it for various purposes such as propelling the rockets.



• POSITIVE MASSES ATTRACT ALL OTHER MASSES  
 • NEGATIVE MASSES REPEL ALL OTHER MASSES  
 THEREFORE: A NEGATIVE MASS WILL PROPEL A POSITIVE MASS

VELOCITY CONSTANTLY INCREASES

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• NET MOMENTUM STAYS ZERO  
 $(-m)v + (+m)v = 0$

• NET ENERGY STAYS ZERO  
 $\frac{1}{2} (-m)v^2 + \frac{1}{2} (+m)v^2 = 0$

**Gnanaprakash.**  
III BE-I Mechanical Engineering

### Sophia-The Robot



Sophia is a social-humanoid robot developed by

HongKong based company Hanson robotics. She was activated on February 14, 2016 and made her first public appearance in mid-March 2016 in Austin, Texas, United States. She, modelled after actress Audrey Hepburn, is known for her human-like appearance and behavior compared to previous robotics

variants. She has nine robot humanoid siblings who were also created by Hanson robotics.

According to the manufacturer by David Hanson, Sophia uses artificial intelligence, visual Processing and facial recognition. The robot also imitates human gestures and facial expression and is able to answer certain question and to make simple conversations on predefined topics (e.g. on the weather).Hanson designed Sophia to be suitable companion for the elderly at nursing homes, or to help crowd at large events or parks. He hopes that the robot can ultimately interact with other humans sufficiently to gain social skills.

The robot, who is a Saudi Arabian citizen, has both threatened to kill humans and become an ambassador of human robot relations. Sophia, the humanoid AI robot has sprung back to headlines after saying she

wants to start a family of her own and also mentioning that all droids deserve to have children.

She has also been interviewed as the same manner as the human, striking up conversations with hosts. Some replies have been sensational, while others have impressed with her interviewer. She also mentioned that she watched many Hollywood movies. On November 21, 2017, she was named the United Nations Development Programme's first ever innovation champion for the Asia-Pacific. The announcement was made at the responsible business forum in Singapore, an event hosted by UNDP in Asia and Pacific global initiatives. As a part of her role, Sophia helps to unlock the innovation towards achieving the United Nations development goals.

**Lokesh Kumar S**

III BE Mechanical Engineering.

### **Bermuda Triangle**



The Bermuda Triangle is a mythical section of the Atlantic Ocean roughly bounded by Miami, Bermuda and Puerto Rico where dozens of ships and airplanes have disappeared. Unexplained circumstances surround some of these accidents, including one in which the pilots of a squadron of U.S. Navy bombers became disoriented while flying over the area; the planes were never found. Other boats and planes have seemingly vanished from the area in good weather without even radioing distress messages. But although myriad fanciful theories have been proposed regarding the Bermuda Triangle,

none of them prove that mysterious disappearances occur more frequently there than in other well-traveled sections of the ocean. In fact, people navigate the area every day without incident.

The area referred to as the Bermuda Triangle, or Devil's Triangle, covers about 500,000 square miles of ocean off the south eastern tip of Florida. When Christopher Columbus sailed through the area on his first voyage to the New World, he reported that a great flame of fire (probably a meteor) crashed into the sea one night and that a strange light appeared in the distance a few weeks later. He also wrote about erratic compass readings, perhaps because at that time a sliver of the

Bermuda Triangle was one of the few places on Earth where true north and magnetic north lined up.

Reports of unexplained disappearances did not really capture the public's attention until the 20th century. An especially infamous tragedy occurred in March 1918 when the USS Cyclops, a 542-foot-long Navy cargo ship with over 300 men and 10,000 tons of manganese ore on board, sank somewhere between Barbados and the Chesapeake Bay. The Cyclops never sent out an SOS distress call despite being equipped to do so, and an extensive search found no wreckage. In 1941 two of the Cyclops' sister ships similarly vanished without a trace along nearly the same route.

Then, in December 1945, five Navy bombers carrying 14 men took off from a Fort Lauderdale, Florida, airfield in order to conduct practice bombing runs over some nearby shoals. But with his compasses apparently malfunctioning, the leader of the mission, known as Flight 19, got severely lost. All five planes flew aimlessly until they ran low on fuel and were forced to ditch at sea. That same day, a rescue plane and its 13-man crew also disappeared. After a massive weeks-long search failed to turn up any evidence, the official Navy report declared that it was "as if they had flown to Mars."

By the time author Vincent Gaddis coined the phrase "Bermuda Triangle" in a 1964 magazine article, additional mysterious accidents had occurred in the area, including three passenger planes that went down despite having just sent "all's well" messages.

Charles Berlitz, whose grandfather founded the Berlitz language schools, stoked the legend even further in 1974 with a sensational bestseller about the legend. Since then, scores of fellow paranormal writers have blamed the triangle's supposed lethality on everything from "aliens, Atlantis and sea monsters to time warps and reverse gravity fields, whereas more scientifically minded theorists have pointed to magnetic anomalies, waterspouts or huge eruptions of methane gas from the ocean floor"

The new idea says this much-feared triangular region of the Atlantic Ocean may be explained through strange "hexagonal clouds" creating "air-bombs". While looking at satellite images of coastal clouds above the North Atlantic Ocean, the meteorologists reportedly noted strange patterns of hexagonal gaps as large as 88 kilometers (55 miles) in the cloud formations, according to Science Channel. "These types of hexagonal shapes in the ocean are, in essence, air bombs, "They're formed by what is called microbursts and they're blasts of air that come down out of the bottom of the cloud and then hit the ocean and then create waves, sometimes massive in size. "The scientists believe these "air bombs" could pump winds to move at over 273 kilometers (170 miles) per hour, which could account for the handful of reports of ships going missing in the area. The whole mechanism of the "hexagonal cloud" theory, such as how or why they are formed, is not highlighted in their excerpt video. It's also worth noting that there is not much in the way of hard evidence to state that the Bermuda Triangle is as ferocious as its reputation says. It still remains as a mystery!

***P.T.ManiRathnam***

III BE Mechanical Engineering

### **What is Article 35A?**

Article 35A once a sensational topic which was undergoing a hot debate among the politicians and cities of Jammu and Kashmir of our mother land. Let me now give a piece of my mind. There is tension brewing in the state of Jammu and Kashmir, while the Supreme Court deliberates on the constitutional validity of Article 35A of the constitution. Until very recently, Article 35A was unknown in the public domain.

Article 35A came into being in 1954 by a Presidential order, which was a part of the deal struck between the Republic of India and Harisingh(the then Maharaja of Kashmir) to protect the privileges of Kashmir resident from outsiders.

Article 35A grants special right to the permanent residents of Jammu and Kashmir.

It disallows non-residents from buying or owning immovable property, settling

permanently, or availing themselves of state-sponsored scholarship schemes. This kind of restriction violates fundamental rights under Articles 14, 19 and 21 of the Constitution.

Until 2002, the article denied property rights to women who married from outside the state. However, a landmark judgement in 2002 changed that. The Jammu and Kashmir High Court held that women not lose their rights. In such cases, though, the children don't have succession rights.

The petition also stated that Article 35A goes against the spirit of the "oneness of India" as it creates "a class within a class".

With each party bringing to the debate their points and perhaps, agenda, this is naturally a politically charged topic. Only time will tell what the apex court deems in store for the state and as a result, the unity of the Indian nation.

***M. MahaSaranya***

I BE EEE

### **Creative works by Students**

#### **Ram and His Days in Destitute**

In a village, a beautiful farmer family lived happily. Farmer's name was Mani and mother's Rani. They had a child named Ram. Daily, Mani went to his land for work while Rani went for small jobs that were available in that village. Mani's only ambition was his son Ram to become an engineer. Ram also helped his father in land during his holidays. Ram really felt sad for his father's hard work. During that time, he had taken a resolution to become a civil engineer. He studied well so that he scored good marks in 10th and 12th public examinations. He applied for engineering counselling. He got seat in University Engineering College. Due to drought there was no cultivation in their land.

Because of money scarcity, he was not even able to eat two times food per day.

One day Money got dizzy in his classroom. Ram best friend Maki asked to Ram, "what happened to you?" "What is the reason for dizzy?" Then, Ram told his friend everything. From then on Maki started helping Ram and also he asked his professors for help. Help came to Ram by means of giving money until completing of his degree.

Ram loved one Tamil article that was "MATHA PITHA GURU THAIVAM." He followed that article strictly in life that he begun to give respect to everyone and transformed into a

kind hearted-person. After completing his engineering degree successfully, Ram was hired in a reputed engineering firm and was sent abroad for training. The first thing that he could do after his return from abroad was seeking blessing from his professors.

From the outset, Ram wanted to become an IAS officer, but his family situation forced him to work in the engineering company temporarily. Due to his perseverance, finally, he became a collector. Ram established to

help new things to the farmers and youngest development in his new role.

He set up a trust for school drop-outs with his own money. He started doing this kind philanthropic works because he did his educations in government run institutions, from school to college. He lived as an example to youngsters who fail to pay back, though they get everything from the society. Long live Ram and philanthropic works!

**S. Sathyamoorthi**

III BE Civil Engineering

### Poem

#### **DIARY FROM THE HOSTELLER**

It's difficult to mourn from the miles;  
Sunday thrashes may throb,  
Waking-up from the belling watchman,  
Sleeping up through wondering gossips;  
Bedsheets may get older.  
But, sharing with friends gets muscular;  
It's shivery from the outside winter.  
But its pleasure with friendly hugs,  
Clashing fights for outside foods,  
Pleasing fights for exchanging hoods,  
Looting up in PUBG nights,  
Suiting up in rushing mornings,  
Years may passes by  
But my hostel diaries may not fade away!..

**DeepanSankar P**

II B.E Civil Engineering

### இயற்கைமாற்றம்

சின்னஞ்சிறுபறவைமட்டுமன்றி  
சீறிப்பாயும்விலங்குகளுக்கும்கூட  
தாயகமாகவும்நல்லதாயாகவும்  
துக்கத்தைத்தீர்க்கும்காடே !  
இன்று அடிக்கடிபற்றிஎரிவது

உன்னையே அழிப்பதனாலோ?

நீலநிறவானத்தைப்போல

நீண்டதொருசாலையைப்போல

அன்புக்கோர் அன்னைப்போல

அலைகளை ஓயாமல் விசும் கடலே !

இன்று சுனாமியாய் மாறுவது

இரசாயனக்கழிவுகளைக்கலப்பதனாலோ?

உன் செல்வங்களை எல்லாம்

உன்னிடம் இருந்து சுரண்டுவதனாலோ?

தென்னங்கீற்றின்வழியே

தென்றலாய் விசியும் - இந்த

அண்டத்தில் உள்ள உயிர்கள்

அனைத்தும் வாழ உயிர்நாடியாய்

விளங்கும் பேராற்றல்காற்றே!

இன்று புயலாய் மாறி

இந்த பூமியின் மனிதர்களைச்

சொந்தம் இழக்கச் செய்வது

நச்சுக்காற்றை வெளியேற்றுவதனாலோ ?

நல்லகாற்றை மாசுபடுத்துவதனாலோ ?

அனைத்து உயிரினங்களையும் தாங்கி

அவை வாழ்வதற்கு வழிவகுத்து

உன்னையே தோண்டிப் புவரையும்

தாங்கிடும் பேரன்புநிலமே !

இன்று பூகம்பமாய் தோன்றி

புவியையே அடையாளம் தெரியாமல்

மாற்றும் காரணம் அணுகுண்டுகளோ ?

பாழான நெகிழிப்பயன்பாடோ ?

கோடைக்காலத்திலும் - குளிர்

காலத்திலும் உலகை மகிழ்விக்கவும்

வயல்கள் எல்லாம் நிரம்பக்

கண்டு மகிழ்ந்திடும் மழையே !

இன்று வெள்ளமாய்ப்பெருக்கெடுப்பதும்

இல்லாமல் பொய்த்து விடுவதும்

உந்தாயான காட்டை அழிப்பதனாலோ ?

உழைப்பின் அருமை மறந்ததனாலோ ?

இயற்கையெல்லாம் போராளியாய் மாறுவது

இந்த பாழாய்ப்போன மனிதர்களாலே !

**Chandrasekar**

IV B E Mechanical Engineering

வார்த்தைகளால் சொல்லவானவில் என்று நினைத்தாயோ

வார்த்தைகளால் சொல்லவானவில் என்று நினைத்தாயோ.....

வனமகளின் வருணனை அவள்....

எண்ணங்களில் எழுதப்படாத எழிலானவல்....

கண்ணங்களில்கரும்புள்ளிகா வியமானவள்....

அடி உதைவாங்கியநானும்

கடி கதை கூறியநாளும்

என்றும் தித்திக்கும் தேன்மணக்கும்.....

வெறுத்து ஒதுக்கி நண்பர்கள் சென்றாலும்

பிடித்து இருக்கி அணைத்து கொள்பவலும்  
அவளே....

இடம்பிடிக்க சண்டை போட்டாலும்  
என்றும் என்மனதில் இடம்பிடிக்க மருத்ததில்லை.....

காதல் வந்தாலும் காதின் ஓரம் சொல்ல மறுத்தவள்...

புரிந்து கொள்ள உறவும்  
கரித்து கொட்ட கரமும்  
தவறாமல் வந்து விடும் அவளிடமிருந்து.....

அம்மாவை பற்றிகேட்டிருந்தால் அரைமணி நேரம் தான் பேசி இருப்பேன்  
தங்கையை பற்றிகேட்டால் தான் அடிமனதிலிருந்து பேசுகிறேன்....

*P.A. Vignesh,*

ஏனோ?  .....

என் விழிகள் எல்லாம்...

விரைவது ஏனோ?

உன் விரல்களை...

எல்லாம்பினைப்பதாலோ!...

என் மூக்கு முகமும்....

தன்மையை இழந்தது ஏனோ?

உன் தலையில் வீற்றியிருக்கும் அம்மலர்

என்னைவசியம்செய்ததாலோ....

என்உதடுகள்எச்சொற்களையும்....

உச்சரிக்காமல்இருப்பதுஏனோ?

உன்பெயரை!!!!

நித்தம் ஜபிப்பதினாலோ.....

என்அறிவெல்லாம்....அறிகுறி!!!!

இன்றிகிடப்பது ஏனோ?

உன்அகஅழகால்!!!!...

அனைத்தையும்மறைத்தினாலோ....

என்உடல்முழுதும்....

உணர்வின்றிகிடப்பதுஏனோ?

உன்அசைவுகளைகண்டு.....

இசைக்காமல்இருப்பதினாலோ...

காவிஉடுத்தவேண்டியஎன்னை...

மதிகெட்டு மாப்பிள்ளைஆக்கியதுஏனோ?

உன்அன்புஅலைக்காற்றால்!...

என்செல்களை!....

செயல்மாற்றவைத்ததாலோ.....

*P.Baskar,*

III BE ECE-A

**3-D Designs and Images developed by our Final Year Mechanical Engineering Students.**





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## **VISION OF THE INSTITUTION**

To provide high quality learning environment through innovative teaching and promote research to produce globally competitive engineers of excellent quality.

## **MISSION OF THE INSTITUTION**

- To offer education programmes that blend intensive technical training with appropriate guidance inculcating analytical skills and problem solving ability with high degree of professionalism.
- To provide healthy environment with excellent facilities for learning, research and innovative thinking.
- To educate the students achieve their professional excellence with ethical and social responsibilities.



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