CAMPUS CHRONICLES

2020

TECHNICAL MAGAZINE

ART BY BANA JYOTHI, B.TECH (CSE)

VISION

To empower female students with professional education using creative & innovative technical practices of global competence and research aptitude to become competitive engineers with ethical values and entrepreneurial skills.

MISSION

To impart value based professional education through creative and innovative teaching-learning process to face the global challenges of the new era technology.

To inculcate research aptitude and to bring out creativity in students by imparting engineering knowledge imbibing interpersonal skills to promote innovation, research and entrepreneurship.

ABOUT US

Vignan 's Institute of Management and Technology For Women , is the brainchild of Dr. L Rathaiah, Chairman, Vignan Group of Institutions, was founded during, August, in 2008, with four branches of Engineering.

VMTW is an exemplary institution of higher learning with a mission of pursuing excellence in education and research. The institution, with their diverse and dynamic community of about 2000 students offers a distinctive combination of some of the finest facilities for MCA, MBA and M.Tech. with 5 different graduate, and undergraduate programs ECE, CSE, IT accomplished faculty, world class facilities with hostel set on a sprawling area of 22 acres sylvan surroundings of mango groves and greenery.

While students at VMTW immerse themselves in academics, the college has a lot in store for them outside the classroom. Student life includes participation in sports, recreational & co-curricular and cultural activities. In short, at VMTW, students will find an academic and social environment where everyone from faculty members to peers help shape their future.

VMTW is a home to aesthetically designed buildings with state of the-art computer and internet facilities, modern laboratories, workshops, seminar halls, auditoriums and well stocked libraries, sports and games fields.

The Institution boasts of a strong alumni network with alumni events held every year serving as a platform for past students to give back to VMTW and share their experiences with its present fellow students. With so much to offer, it is only natural that students of VMTW get a unique opportunity to carve a niche for themselves in their chosen field of study that enables them to become well-rounded and discerning citizens, fully qualified for their chosen professions in the workplace. With so much to offer, it is only natural that students of VMTW get a unique opportunity to carve a niche for themselves in their chosen field of study that enables them to become well-rounded and discerning citizens, fully qualified for their chosen professions in the workplace.

Chairman Message

"Well Thought-out Reforms In Technical Education Is The Need Of The Hour"

We, in India today, are living in a transitional era. On one hand, we are swamped by the global financial meltdown while on the other; we are witnessing a slow but sure revival of the manufacturing and agricultural sectors. It is evident that highly trained and skilled professionals will be needed in vast numbers to enable our country's transition towards industrial and financial self-sufficiency. In this changing scenario, technology will continue to be a major catalyst for enabling the country's transformation. So the demand for quality technical education in India is huge.

In Telangana, we often mention with pride that the state has the largest number of technical/professional institutions to impart skill based education to fulfill the needs of the industry. However the fact remains that, in spite of the large number of engineers churned out from the 300 and odd colleges every year, there continues to be an unbridged gap between the needs of the Industry and the skill set that the engineering students possess. Thus we are faced with a paradoxical situation where employers keep scouting for employees and vice versa.

The problem is not difficult to analyze. In spite of possessing impressive infrastructure and high-tech labs, the quality of technical education imparted in most engineering colleges is woefully poor. Despite the proliferation of colleges, the demand for holistic engineering education remains as high as ever. A keen introspection by the administrative authorities both at the planning and executive level is needed to evolve effective supervisory and regulatory mechanisms so as to reinforce good standards of technical education. Unscrupulous practices compromising on the quality of education need to be checked. All engineering colleges in the state should vie with each other to develop wholesome systems contributing to innovative teaching - learning practices, which will upscale the educational standards in the state and serve the future generation of students in realizing their dreams.

We at Vignan group of institutions resolve to rededicate ourselves to the cause of the nation the march towards Vision 2020, the dream of seeing India as a developed nation...

CEO Message

Vignan, a trusted name for quality education in Andhra Pradesh, has always been figuring among the top due to its commitment to student centric initiatives through out its existence of more than three decades even in the unprecedented proliferation of professional institutions in AP during the last decade.

Vignan with its inherent capability to capture the pulse of youth has grasped their aspirations, speed and intellectual capabilities and tuned its curriculum to fulfill their needs.

Vignan provides world class training in transferring subject knowledge, communication and team working skills in learning centered fashion and enables its students to face the global arena with confidence.

With its excellent infrastructure, committed and qualified faculty, strong teaching-learning processes and more importantly a meticulously designed student counseling system, Vignan is indeed the right choice to pursue engineering education and secure placements in top notch companies or admissions in reputed international universities for higher studies. Besides academics, at Vignan, we strive for the integrated development of the students through several internal student professional bodies designed to bring out the best from them

Principal Message

I, Dr. G. Apparao Naidu, Principal, feels proud to be associated with Vignan's Institute of Management and Technology for Women which is serving the society for more than Two decades in the field of Engineering & Technology by bringing a number of efficient engineers to the nation and world. It gives me immense pleasure to welcome you to the creative world of VMTW which has very eco-friendly campus and is equipped with state-of-art infrastructure. Campus having well equipped labs, workshops and libraries which enables in helping students in attaining highest standards in academics, research and professional skills. The campus has adequate sports infrastructure to take care of Sports and recreational activities. The college is excelling towards meeting its vision of becoming centre of excellence in the field education in Engineering and Technology. The prime focus of the Institution is to empower students with sound knowledge, wisdom, experience and training both at the academic level of Engineering and in the highly competitive global industrial market. The infrastructure facilities and state-of-the-art equipment combined with a galaxy of competent, talented, qualified and dedicated faculty contribute to an enjoyable and an easy learning experience. Happy to quote the campus is working towards implementing Outcome Based Education System (OBES). Many global players are recruiting the students from the campus after high appreciation which shows strength of the college in nurturing young engineers.

Weakly - Supervised Deep Embedding For Product Review Sentiment Analysis

By Ms. Pranitha Mettu,
B. Tech (ECE) - 20UP1A0428

INTRODUCTION: People are getting used to consuming online and writing comments about their purchase experiences on merchant/ review Websites.

These opinionated contents are valuable resources both to future customers for decision-making and to merchants for improving their products and/or service.

However, as the volume of reviews grows rapidly, people have to face a severe information overload problem.

EXISTING SYSTEM: Lexicon-based methods typically take the tack of first constructing a sentiment lexicon of opinion words (e.g. "wonderful", "disgusting"), and then design classification rules based on appeared opinion words and prior syntactic knowledge. Despite effectiveness, this kind of methods requires substantial efforts in lexicon construction and rule design. Furthermore, lexicon-based methods cannot well handle implicit opinions, i.e. objective statements such as "I bought the mattress a week ago, and a valley appeared today". As pointed out in this is also an important form of opinions. Factual information is usually more helpful than subjective feelings. Lexicon-based methods can only deal with implicit opinions in an ad-hoc way.

PROPOSED SYSTEM: In this work, we propose a novel deep learning framework for review sentence sentiment classification. The framework treats review ratings as weak labels to train deep neural networks. For example, with 5-stars scale we can deem ratings above/below 3-stars as positive/ negative weak labels respectively. The

Framework generally consists of two steps. In the first step, rather than predicting sentiment labels directly, we try to learn an embedding space (a high level layer in the neural network) which reflects the general sentiment distribution of sentences, from a large number of weakly labeled sentences.

SYSTEM STUDY: Three key considerations
1. Economical Feasibility
2. Technical Feasibility
3. Social Feasibility

ECONOMICAL FEASIBILITY: This study is carried out to check the economic impact that the system will have on the organization. The amount of fund that the company can pour into the research and development of the system is limited. The expenditures must be justified.

Thus the developed system as well within the budget and this was achieved because most of the technologies used are freely available. Only the customized products had to be purchased.

TECHNICAL FEASIBILITY: This study is carried out to check. Any system developed must not have a high demand on the available technical resources. This will lead to high demands on the available technical resources. This will lead to high demands being placed on the client. The developed system must have a modest requirement, as only minimal or null changes are required for implementing this system.

SOCIAL FEASIBILITY: The aspect of study is to check the level of acceptance of the system by the user. This includes the process of training the user to use the system efficiently. The user must not feel threatened by the system, instead must accept it as a necessity. The level of acceptance by the users solely depends on the methods that are employed to educate the user about the system and to make him familiar with it. His level of confidence must be raised so that he is also able to make some constructive criticism, which is welcomed, as he is the final user of the system.

ARCHITECTURE:

MODULES:
There are five modules divided in this project in order develop the concept of sentiment analysis with tagging. They are listed below
1. Products Initiation
2. Products acquisition
3. Sentiment classification
4. Weak Supervision
5. Graphical Analysis

PRODUCTS INITIATION:
The First phase of the implementation of this project is Products Initiation. In this module admin is uploading the products which user wants to see and purchase. Once admin uploads the product means it stored in the database. The products which are uploaded are listed in website to admin in order to modify or delete the particular product. Admin is the only authorized person to upload the products in this project.

PRODUCTS ACQUISITION: The second module of this product conveys that user can view the products which are uploaded by admin. Then they can view the ratings and reviews of the same products which are given by other users who already purchased the product. According to the help of ratings and reviews user can purchase the product. The ordered list is also shown in the project for the convenience of users. The cart and checkout facility is also available to users from this module.

SENTIMENT CLASSIFICATION: The users who are all purchased the products can rate product as per their interest on one scale of five and they are free to comment for the same. Based on the ratings and reviews given by user sentiment can be analyzed. There are two sentiments maintained in this project they are positive and negative.

WEAK SUPERVISION: This module provides the convenience to admin for supervision of the ratings and reviews. It supervises the given rating is high for positive comment or low ratings for negative comments. It shows the admin that how user rated for the products. It shows the comments and rating on the products.

GRAPHICAL ANALYSIS: In this phase of the Implementation user can get the clear picture analysis of the products ratings and reviews. Various factors take into consideration for the graph analysis. In this phase plot the charts like pie graph, bar chart and so others.

SYSTEM TEST: The purpose of testing is to discover errors. Testing is the process of trying to discover every conceivable fault or weakness in a work product. It provides a way to check the functionality of components, sub assemblies, assemblies and/or a finished product It is the process of exercising software with the intent of ensuring that the Software system meets its requirements and user expectations and does not fail in an unacceptable manner.
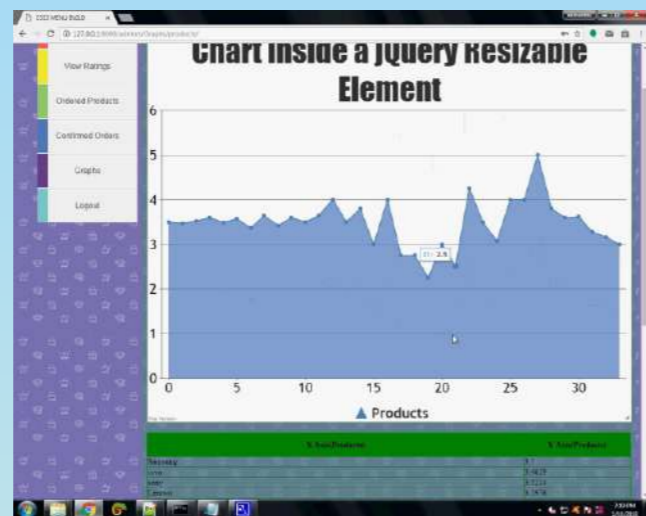
FEATURES TO BE TESTED:

- Verify that the entries are of the correct format.
- No duplicate entries should be allowed
- All links should take the user to the correct page.

PRODUCT REVIEWS:

RATING ANALYSIS OF PRODUCT:

ADVANTAGES: The Proposed work leverages the vast amount of weakly labeled review sentences for sentiment analysis. It is much more effective than the previously developed works. The proposed work finds the sentiment not only based on the rating that user gives but also taking into consideration of reviews that they are post, In fact mainly takes an account of review, even though user gave ratings.

DISADVANTAGES: Feature engineering also costs a lot of human efforts, and a feature set suitable for one domain may not generate good performance for other domains. This kind of algorithm needs complex lexicon construction and rule design. The existing systems cannot well handle objective statements; it only handles single word based sentiment analysis.

CONCLUSION: In this work we proposed a novel deep learning framework named Weakly-supervised Deep Embedding for review sentence sentiment classification. WDE(Web Data Extractor) trains deep neural networks by exploiting rating information of reviews which is prevalently available on many merchant/review Websites. ALYSIS OF PRODUCT:

Role of Frontline Warriors During Covid-19 Pandemic

By Ms. B. Vedakshari,
B. Tech (ECE) - 20UP1A0403

The COVID-19 pandemic, also known as the coronavirus pandemic, is an ongoing global pandemic of coronavirus disease 2019 (COVID-19) caused by severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2). The virus was first identified in December 2019 in Wuhan, China. The World Health Organization declared a Public Health Emergency of International Concern regarding COVID-19 on 30 January 2020, and later declared a pandemic on 11 March 2020. As of 29 May 2021, more than 169 million cases have been confirmed, with more than 3.52 million confirmed deaths attributed to COVID-19, making it one of the deadliest pandemics in history.

Doctors, Health-care Workers Fight against COVID-19

As Covid-19 lashes the world, frontline workers risked their own lives to save others. Community workers, hospital assistants, nurses and doctors tended to the sick.

Needless to say, doctors, nurses and people working in health-care sectors are particularly vulnerable to the highly infectious disease. In response to the global pandemic, the under- resourced doctors are facing unprecedented challenges. The list of the sleep-deprived heroes includes doctors, nurses, medical cleaners, pathologists, paramedics, ambulance drivers, and health-care administrators.

Every day, the selfless warriors are giving it their all in health-care settings while cutting themselves off from their families and loved ones. The sacrifice that they are making for the safety and welfare of humanity is priceless and deserves lifelong gratitude on our end. Most importantly, we must reassess the value health-care workers hold in our lives and the kind of treatment they get from us Nothing will be a greater tribute to the health-care workers than this.

Role of Police during this Pandemic

Healthcare workers, sanitation staff, those who run grocery and medical shops, government officials in general — all of them form the frontline in the battle against the novel coronavirus, but the police are in the frontline of the frontline. Of all categories of frontline responders to the pandemic who are risking their health and lives, police personnel are the most critical.

Police personnel work for 14 hours a day on an average, with about 80% police personnel working for more than 8 hours a day. Nearly one in two personnel work overtime regularly, while eight out of ten personnel do not get paid for overtime work.

Nurses at the Front Line of COVID-19: Roles, Responsibilities, Risks, and Rights

Nurses have critical roles and responsibilities during the COVID-19 pandemic. They will continue to be at the front line of patient care in hospitals and actively involved with evaluation and monitoring in the community. Nurses have to ensure that all patients acquire personalized, high-quality services irrespective of their infectious condition. They will also engage in planning for anticipated COVID-19– related outbreaks, which increase the demand for nursing and healthcare services that might overload systems.

Sanitation staff forced to work sans safety gear in Hyderabad apart from domestic waste, the garbage consist of medical waste such as syringes, gloves, and cotton balls. However, sanitation workers are forced to work for nearly 14 hours a day without any safety gear.

"I am doing my best to be safe," said Ravikanth, a door-to-door garbage collector at Asif Nagar, who was wearing a woollen glove. "We were given masks and gloves earlier, when we were called the frontline warriors, during the strict lockdown. But now, nobody cares," he added.

We'd now like to understand and respect the heroic efforts of some courageous and inspiring doctors, nurses, police and other community workers (such as GHMC workers, sanitization workers) from across the globe who lost their lives while saving the lives of COVID-19 patients.

Done by
T. Rupika

Art by
Ms. Turlapati Rupika,
B.Tech (IT) - 19UP1A1231

Art by **Ms. Turlapati Rupika,** B.Tech (IT) - 19UP1A1231

Art by **Ms. Turlapati Rithika,** B.Tech (IT) - 19UP1A1227

Art by **Ms. Turlapati Rithika,**
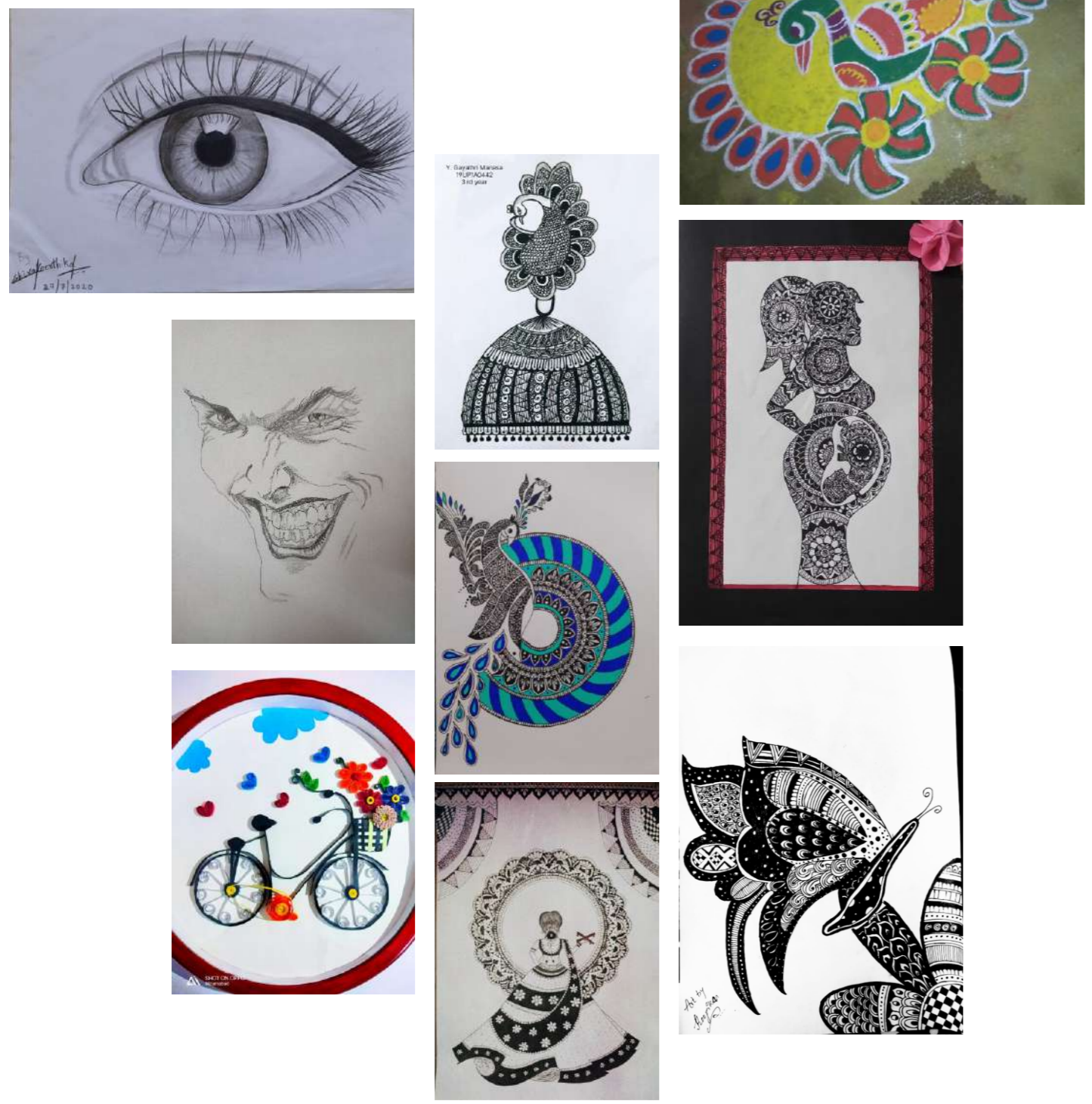B.Tech (IT) - 19UP1A1227

Poetry

Love the Way You Are

Living a usual life
I was walking around, lonely enjoying my Time,
Looking to those Beautiful Creatures
I sat on a bench for a while One person came to me
Asked me,
I see, you daily came here lonely
Are you feeling alone like me?? Hearing those words
I said
The life is Brightest when people's Appreciate you when you Success,
But suddenly it became Gloomy when people even don't talk to you, when they said you're Noting Walking alone,
Take time for yourself
We Permantly forget in our lives. We're rushing besides them for heard good
Words for you. We even can't take peace & relax.
I said
The person is hearing me with silently! Whenever I came here, I talk to myself for being perfect
Take time for yourself we Permantly forget in our lives. We're rushing besides them for heard good words for you.

We even can't take peace & relax. The person is hearing me with silently! I said
Whenever I came here, I talk to myself for being perfect
But I didn't realize before that no one is perfect before I were not giving time to myself
I were not feeling peace
I were feeling that I'm half Bu
Now I'm giving Time to myself
& get i it what I was finding before
Now I know how to LOVE YOURSELNow I can feel I'm Complete I don't want to be perfect I want to Complete Myself which I realize now how to
The Person Got admired from he look at me & said my words
YOU'RE RIGHT!
& he went away

By Ms. Jayasree Naidu Sakshi,
B.Tech (ECE) - 19UP1A0430

Art by
Ms. Mamatha, B.Tech (IT) - 19UP1A1231
Ms. Meghana Sorra, B.Tech (CSE) - 20UP1A05E7
Ms. Bhavana Bashetti, B.Tech (CSE-AI&ML) - 20UP1A6606
Ms. T. Navya Reddy, B.Tech (CSEL) - 20UP1A05E8
Ms. G. vidyulatha, B.Tech (CSEL) - 20UP1AO5C4

The Little Things

Why do the little things
Mean ever so much?
You know, the small acts of kindness
Made in passing and such.

 Why do the tiniest of gestures
Linger on in one's mind?
As if they could change more
Than that very moment in time.

A wish , a smile
Or even a wave
Can make one feel important
In the most unexpected ways.

So why do the little things
Tend to mean a lot?
These things said and done,
Without a second thought.

Well, all I can imagine is,
Human as we are;
It's these little things that prove
That we don't need more to touch our hearts.

To feel important, to feel loved;
To feel emotions that run deep;
All you may need is
The simplicity of which I speak.

And even if they aren't done
To you by another,
Find joy in being the one
Whose kind gestured are admired.

For though these things you do
Are not entirely thought out
There are several just like me
To whom the little things do count.

By Ms. G. Pranitha Reddy,
B.Tech (CSE) - 20UP1A05C2

A Light exists in Spring

A Light exists in Spring
Not present on the Year
At any other period —
When March is scarcely here
A Color stands abroad
On Solitary Fields
That Science cannot overtake
But Human Nature feels...

As the Keats example quoted at the start of this post demonstrates, not all poems about science have been celebratory. Here, Emily Dickinson examines the gulf between what science can analyse and understand, and what human nature somehow senses in a way that stands aside from the scientific:

By Ms. G. Sanjana Saraswathi,
B.Tech (ECE) - 19UP1A1224

VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

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Kondapur (V), Ghatkesar (M), Medchal - Malkajgiri (D) - 501 301

Email: info@vmtw.in   www.vmtw.in   Phone: +91 96529 10002/3