



# HINDUSTHAN

COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF CHEMICAL ENGINEERING

**CHEMERSAT'Z**

DEPARTMENT ANNUAL MAGAZINE

**2024 - 2025**





# HINDUSTHAN

COLLEGE OF ENGINEERING AND TECHNOLOGY

(AN AUTONOMOUS INSTITUTION)

Valley Campus, Coimbatore – 641 032, Tamilnadu, INDIA

Tel: +91 422 4242424 [www.hicet.ac.in](http://www.hicet.ac.in)



Department Annual Magazine –

**CHEMERSAT'Z**

**2024 – 25**



# **EDITORIAL BOARD**



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Dr. Palani R

Professor & Head

Department of Chemical Engineering

## **EDITORIAL SUPPORT**

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Asst. Prof. / Chem

## **EDITORS:**

Mr. Alten Rey V

Mr. Patchamuthu M

Mr. Sanjay S

Mr. Bhuvaneshwaran B



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## **HINDUSTHAN COLLEGE OF ENGINEERING AND TECHNOLOGY**

### **DEPARTMENT OF CHEMICAL ENGINEERING**

#### **VISION**

To nurture skilled and innovative chemical engineers with academic and research excellence for addressing global challenges and contributing to sustainable development with ethical values.

#### **MISSION**

M1: To provide quality education focused on the scientific and technical aspects of chemical engineering.

M2: To empower students with essential research skills to develop innovative solutions for complex chemical engineering challenges.

M3: To inculcate social responsibility among the students for developing a sustainable society.

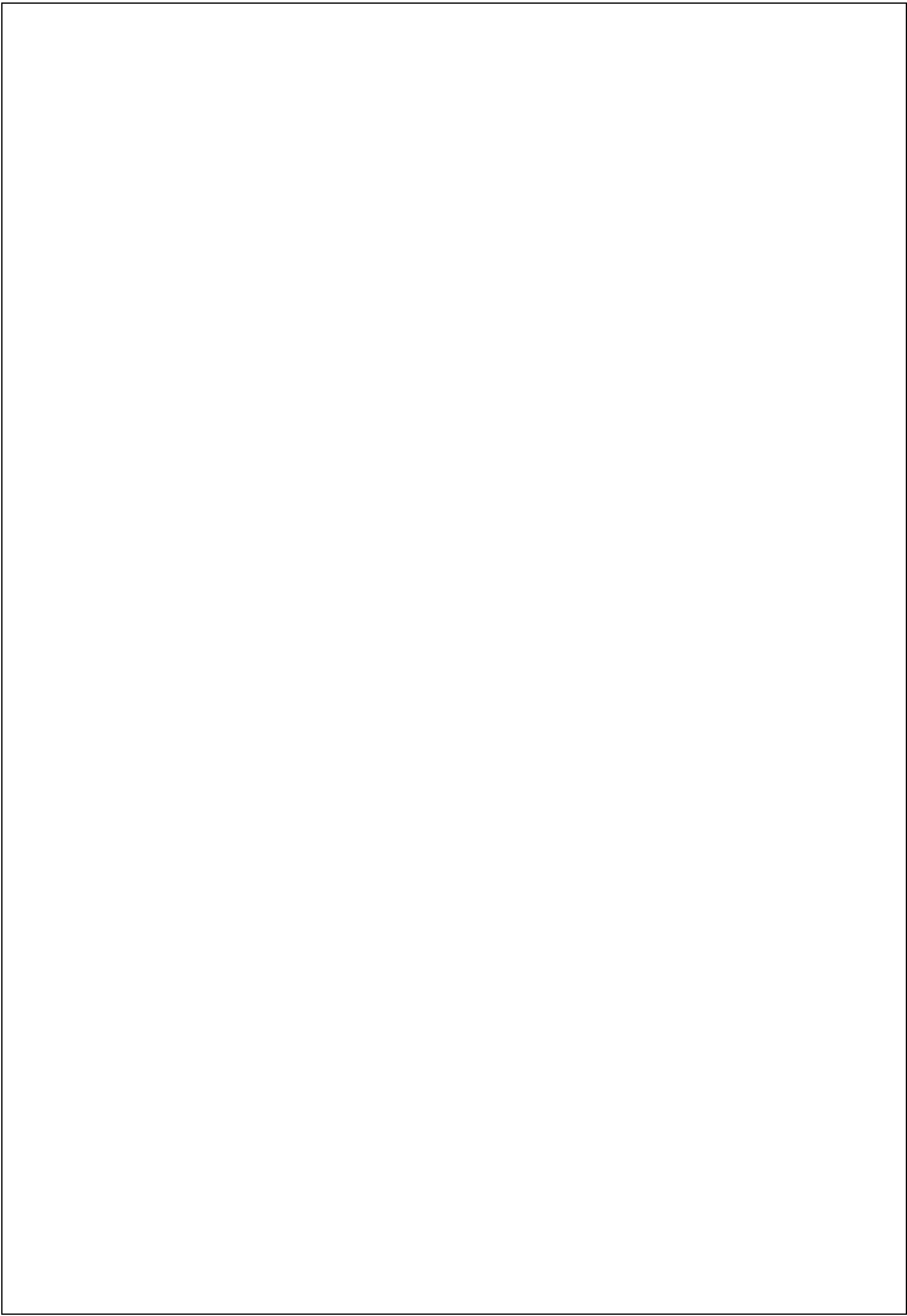


## **Principal's DESK**



I am very pleased to note that Academic year magazine (2024-2025), brought out is applauded extending ovation to the editorial team. The stature and stadium of an Institute are conferred by convergent of students and teachers. This magazine has lives up to showcase the strength of an institute with glorious exhibition of potential of faculty and students with their literary skills and innovative ideas. I hail up for the success of this endeavor.

**Dr. J Jaya**  
**Principal / HICET**

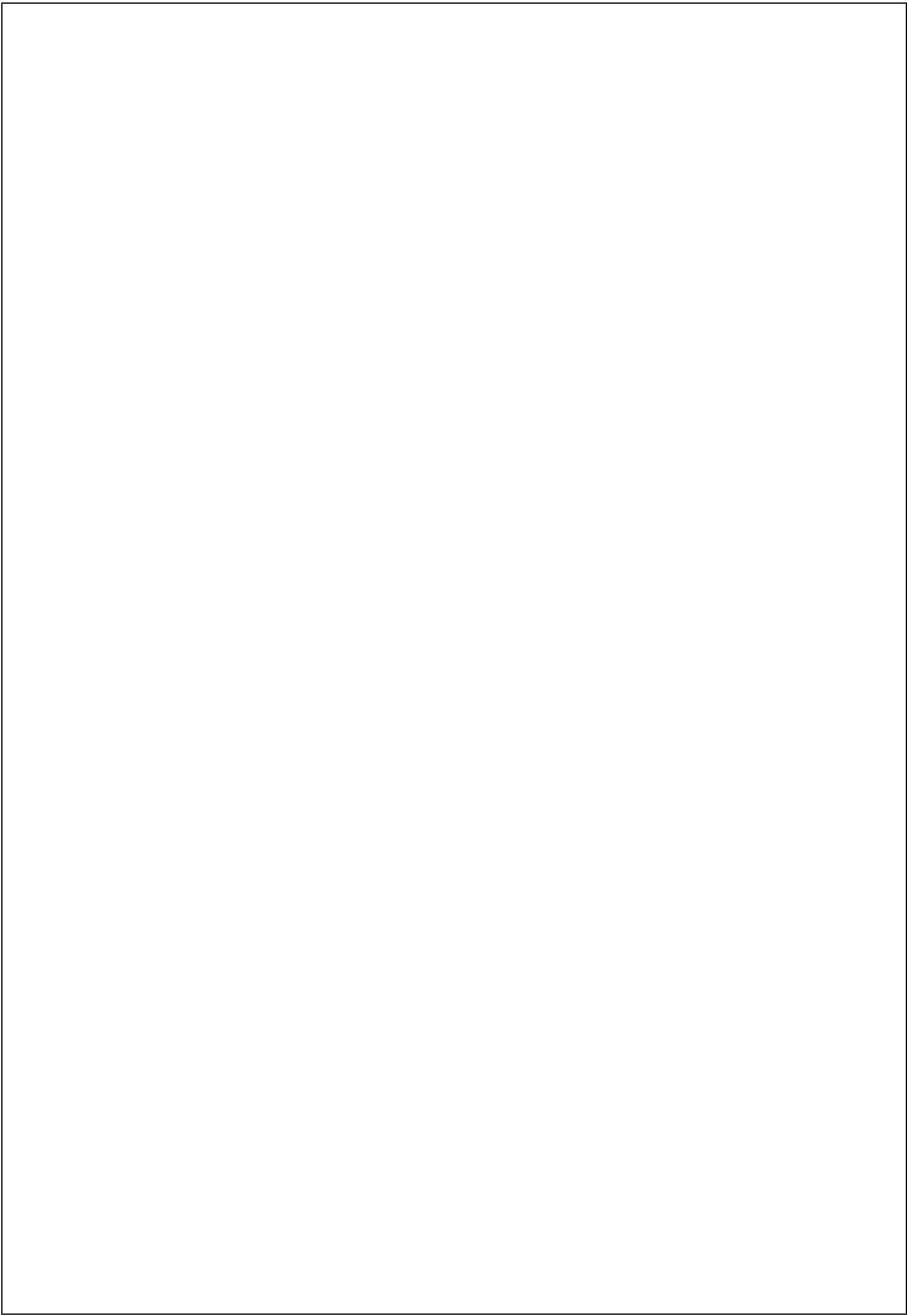


## **HOD's MESSAGE**



I'm delighted to introduce our Chemical Engineering Department's Academic Year Magazine (2024-2025). This publication showcases our students literary and innovative pursuits, highlighting our department's vibrant academic environment. I congratulate the editorial team for their efforts and wish them continued success. This magazine reflects our department's spirit of excellence, innovation, and collaboration.

**Dr. PALANI R**  
**HOD / CHEMICAL**





# PICTURE ART



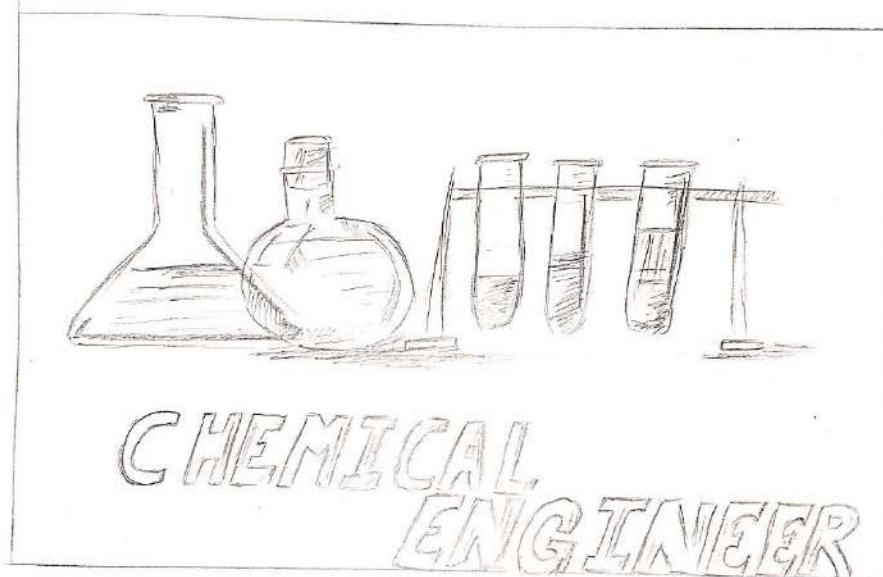






**SUBASHINI S**  
**III YEAR /**

**CHEMICAL**



HARIS RAHMAN P  
720723114801  
2<sup>nd</sup> YEAR / CHEMICAL ENGINEERING

**ENGINEERING**

***HARIS RAHMAN P***  
**II YEAR / CHEMICAL ENGINEERING**

**AKSHAY**

**II YEAR**

**MICAL**



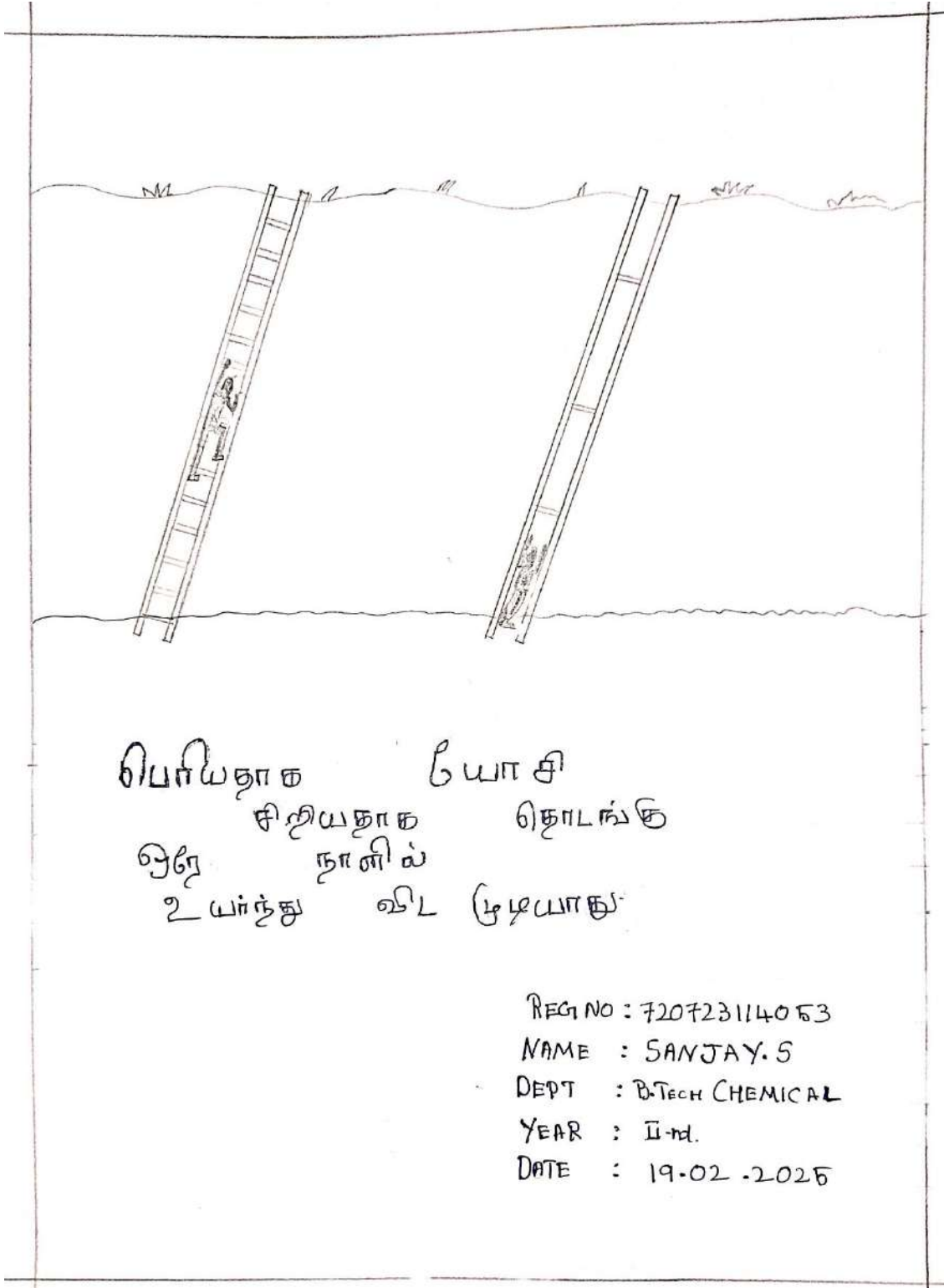
AKSHAY / CHEMICAL / II YEAR

**ENGINEERING**



By  
MOTHIS KUMAR . V  
720723114036  
B.TECH CHEMICAL

***MOTHIS KUMAR V***  
**II YEAR / CHEMICAL ENGINEERING**



பெரியதாக போக  
சிறியதாக தொடங்கு  
ஒரு நாளில்  
உயர்ந்து விட முடியாது

REG NO : 720723114053

NAME : SANJAY.S

DEPT : B.TECH CHEMICAL

YEAR : II-III

DATE : 19.02.2025

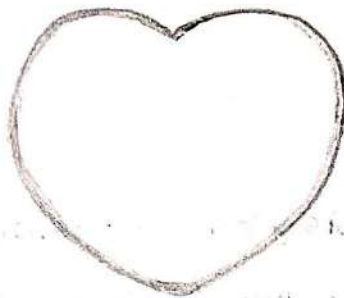
**SANJAY S**

**II YEAR / CHEMICAL ENGINEERING**

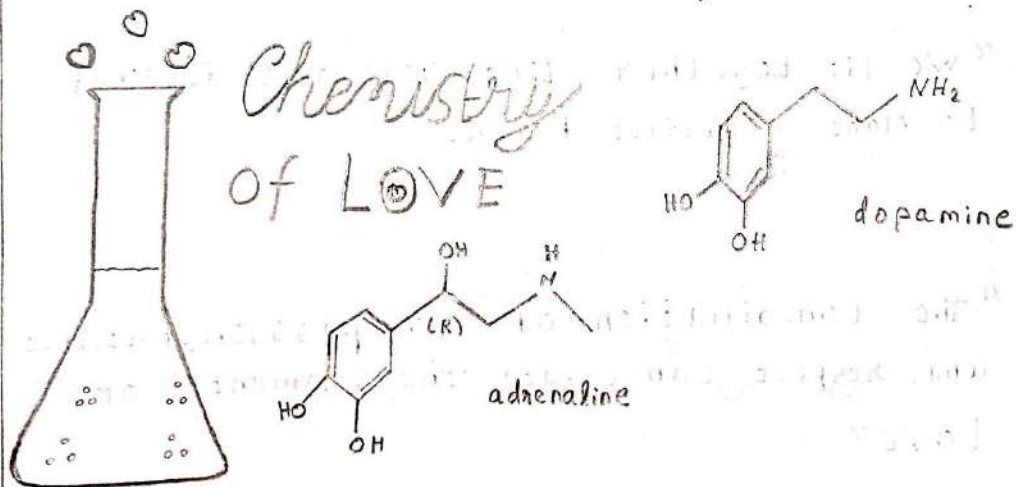
SANTHOSH · K  
II<sup>nd</sup> YEAR  
B-CHEMICAL ENG

Love, It's a Chemical Reaction  
that "COMES AND GOES"

WHAT PEOPLE THINK OF LOVE



WHAT LOVE ACTUALLY IS



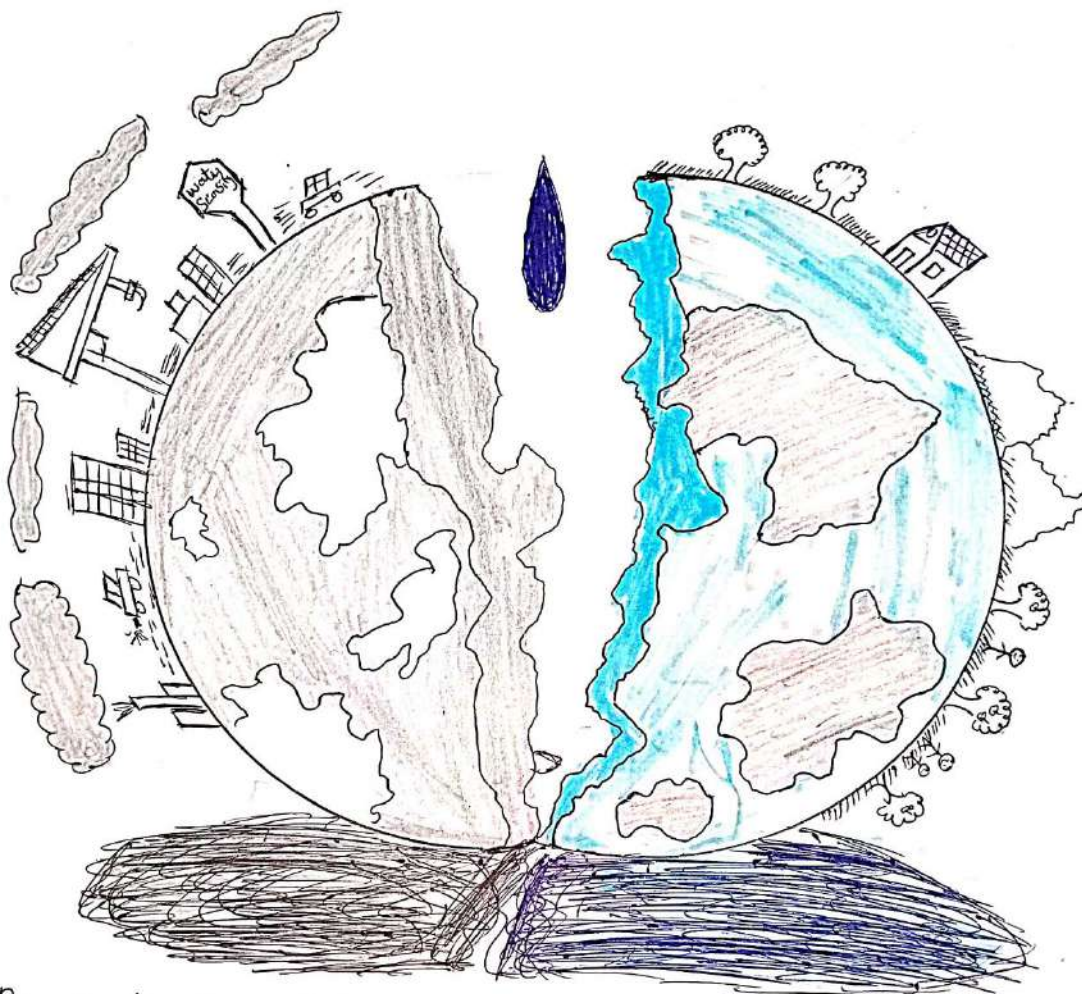
**SANTHOSH K**

**II YEAR / CHEMICAL ENGINEERING**



Environmental

Pollution



Be Part of Solution ; Not part of the pollution

NAME : T.K. Gokul nath

Dept : CHEMICAL ENGINEERING  
II Year

Reg no: 720723114017

**GOKUL NATH T K**  
**II YEAR / CHEMICAL ENGINEERING**

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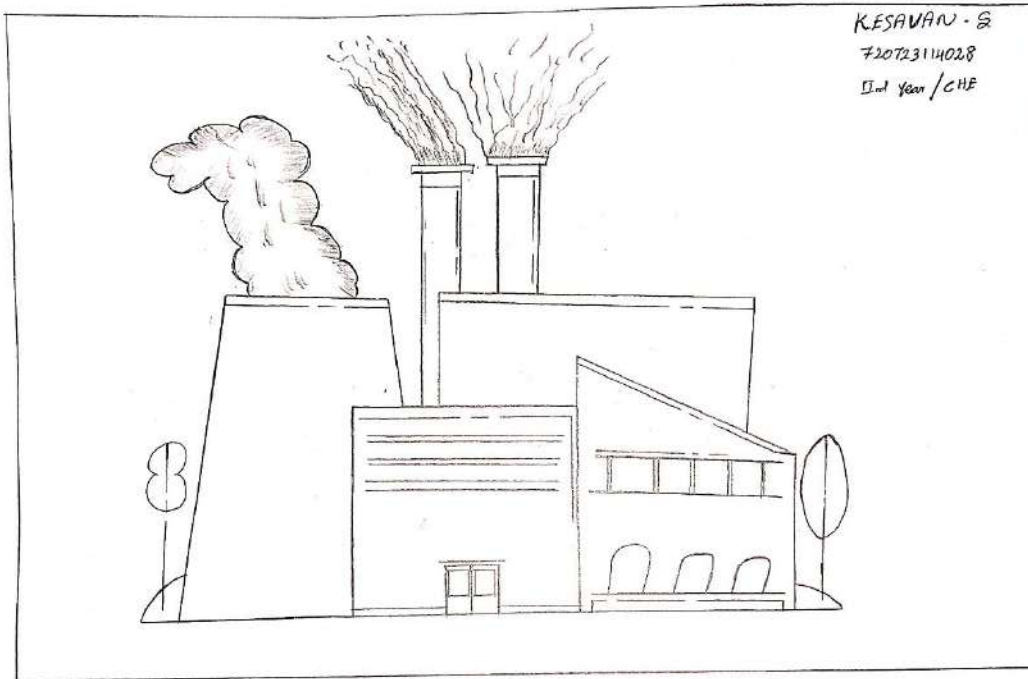


எவற்றை வேண்டுமானாலும்  
எவ்வளவு வேண்டுமானாலும் எழுதலாம்  
என்னை எழுதியவர் நீ...  
உனக்கு நான் என்ன எழுதுவது...

*Piya*



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KESAVAN - S  
720723114028  
II<sup>nd</sup> Year / CHE



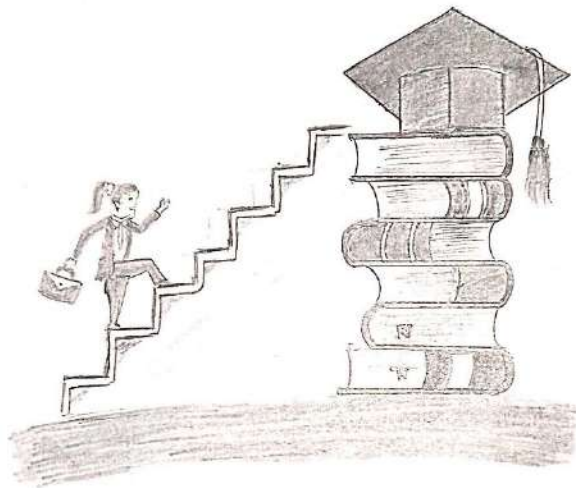
PUVIN KUMAR.A

720723114049

II<sup>nd</sup> B.TECH CHEMICAL  
ENGINEERING

***KESAVAN S***  
**II YEAR / CHEMICAL ENGINEERING**

***AROKIA***  
**II Year /**



***SOBIKA S***  
**CHEMICAL**

S. AROCKIA SOBIKA  
720723114008  
II - CHEMICAL

**ENGINEERING**

720722114025

III - B.Tech chemical



S. MadhuMitha

2022 - 2026

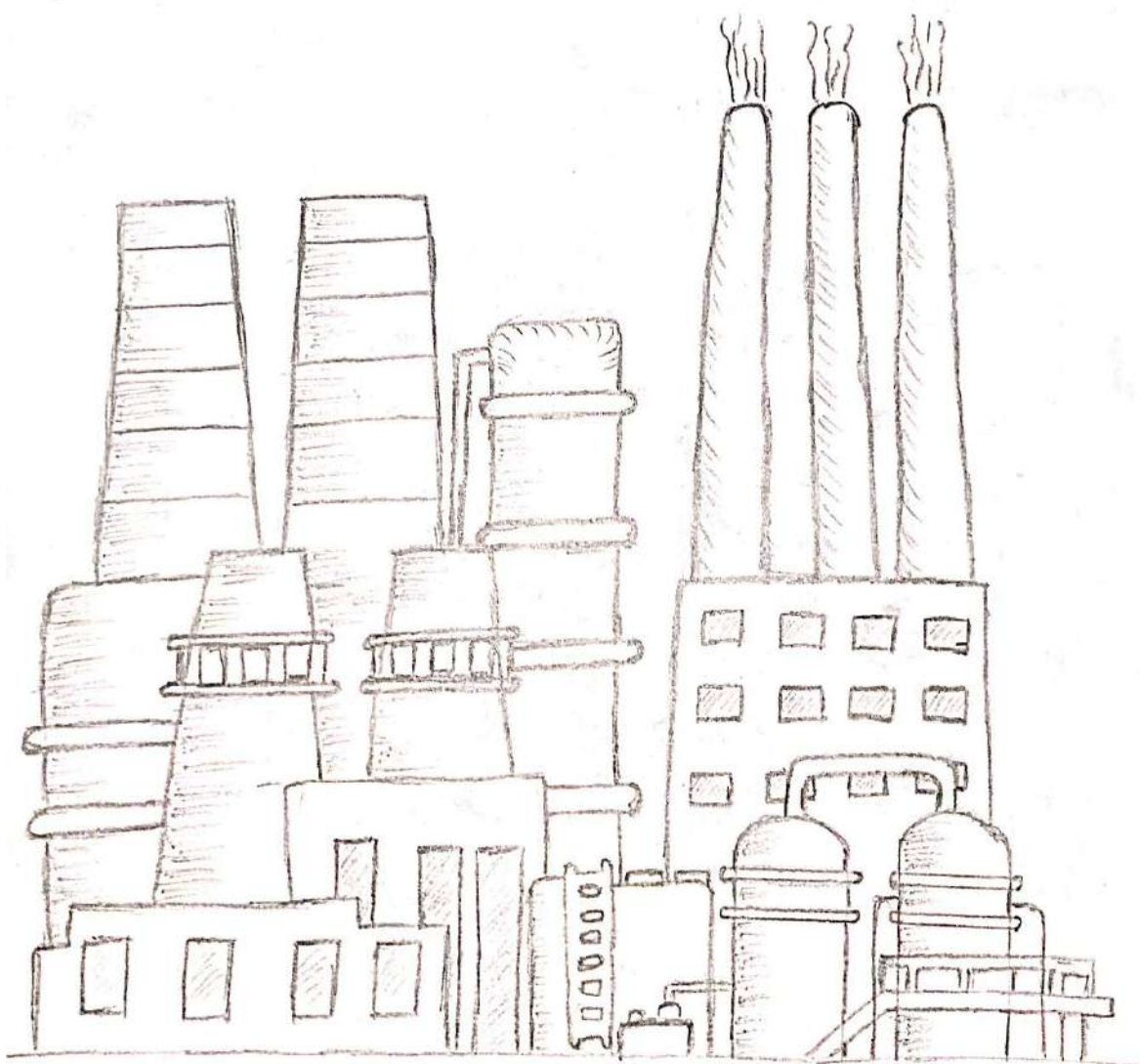
**MADHUMITHA S**  
**III YEAR / CHEMICAL ENGINEERING**



Mohammed Haneen M

720722114027

III<sup>rd</sup> year chemical engineering



**MOHAMMED HANEEN M**  
**III YEAR / CHEMICAL ENGINEERING**



**SRINITHI S**  
**III - CHEMICAL**  
**T20722114051**

***SIRINITHI S***  
**III YEAR / CHEMICAL ENGINEERING**



***GOWTHAM K***  
**III YEAR / CHEMICAL ENGINEERING**



# **PHOTOGRAPHY**



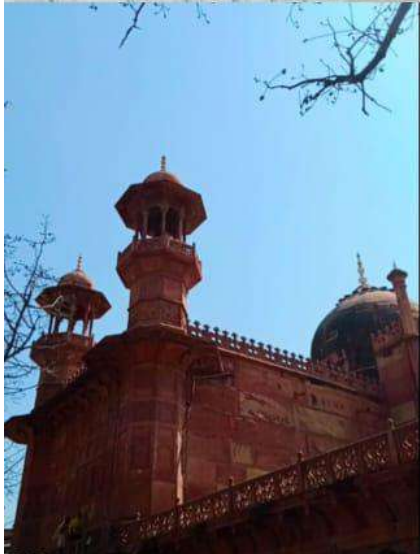
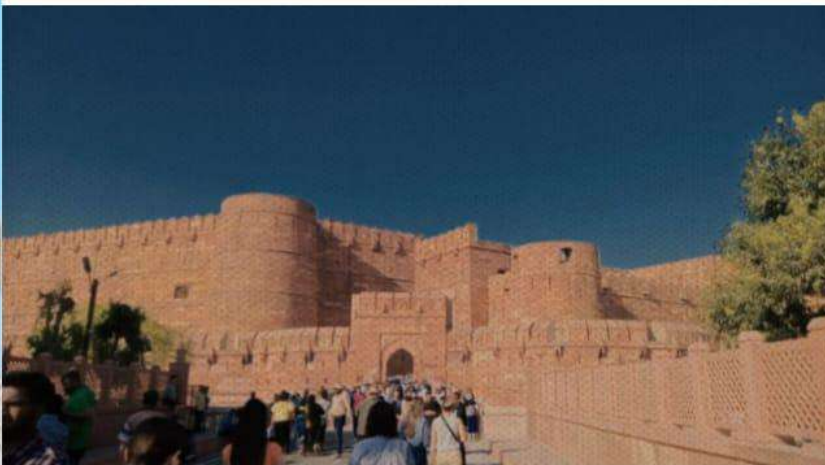
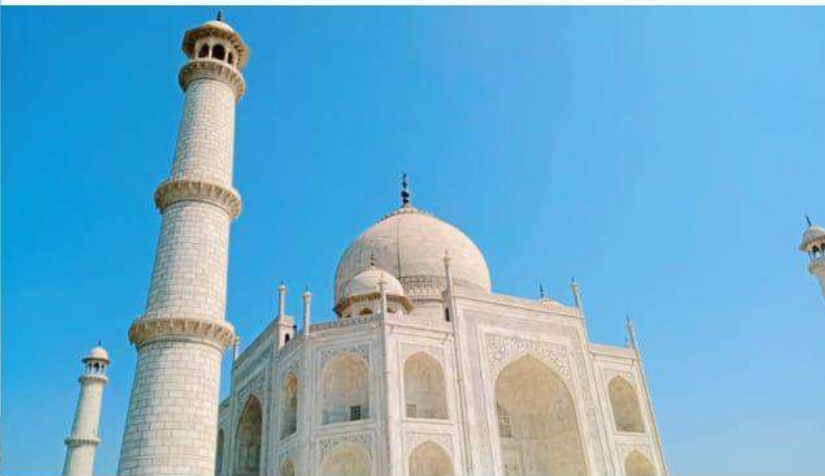




***SAKTHI GUHAN***  
**III YEAR / CHEMICAL ENGINEERING**



***FAYAS AHMED***  
**III YEAR / CHEMICAL ENGINEERING**



**A**

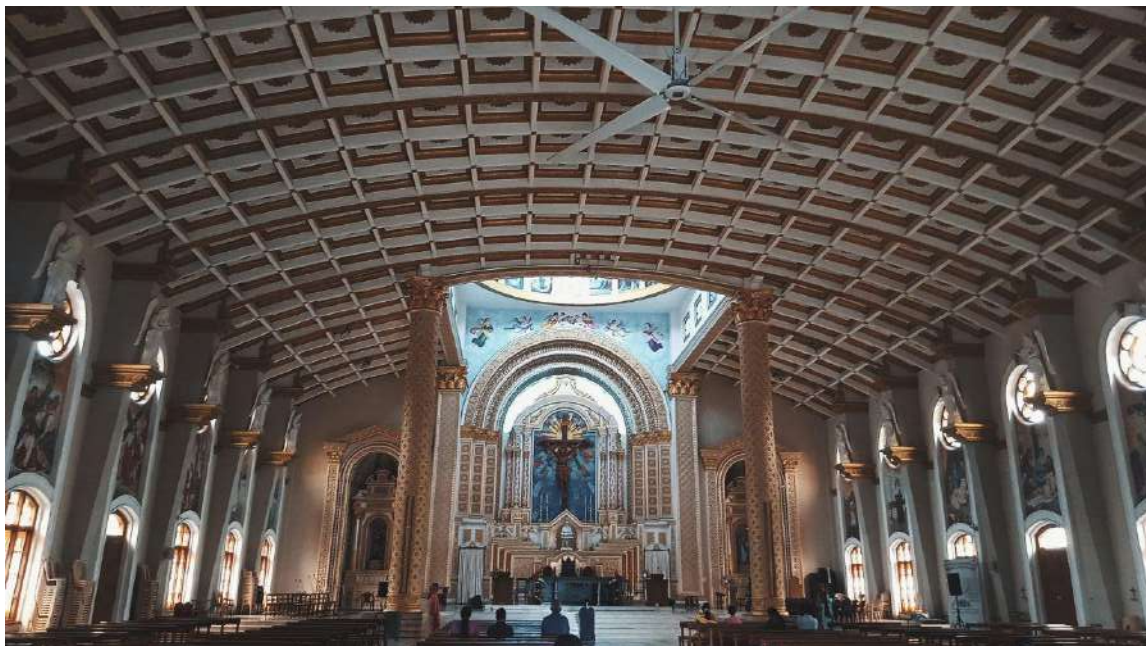
***LTEN REY V***  
**III YEAR / CHEMICAL ENGINEERING**





***ANOOP S***  
**III YEAR /**  
**ENGINEERING**

**CHEMICAL**

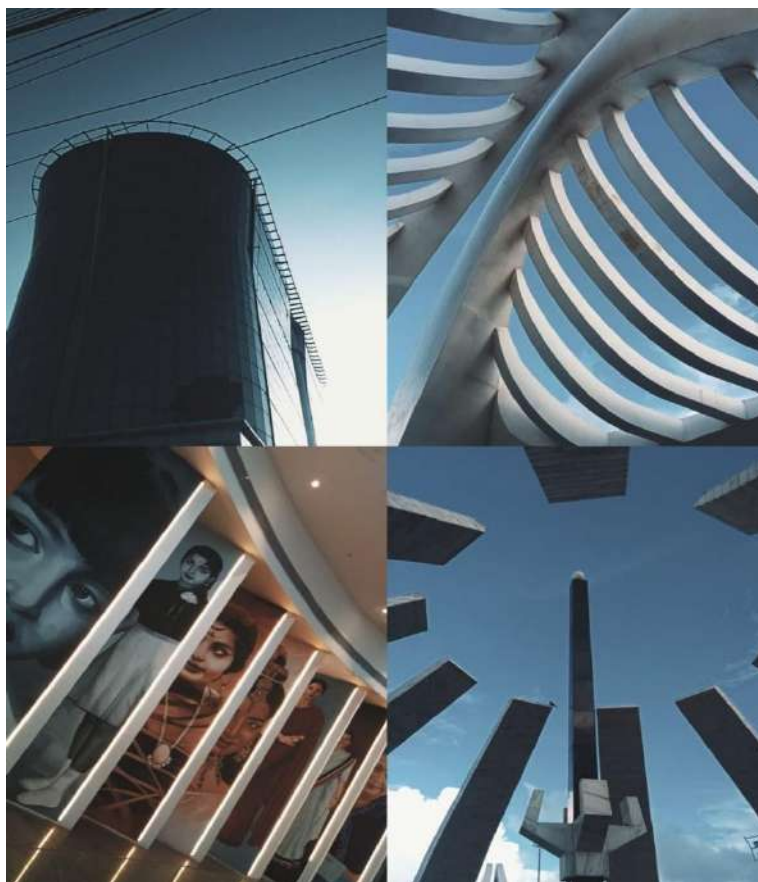


***WESLY***  
**IV YEAR /**  
**ENGINEERING**

***JEBASTIN D***  
**CHEMICAL**



***DEVAJITH A P***  
**IV YEAR / CHEMICAL ENGINEERING**



***PATCHAMUTHU M***  
**III YEAR / CHEMICAL ENGINEERING**



***NAVEEN R***  
**II YEAR / CHEMICAL ENGINEERING**



***ANTHONY KAVINS SALAMY***  
**II YEAR / CHEMICAL ENGINEERING**





***RUBAN DURAI E***  
**III YEAR / CHEMICAL ENGINEERING**



***KRISHNA PRABHAKARAN M***  
**III YEAR / CHEMICAL ENGINEERING**



***HARIHARAN M***  
**IV YEAR / CHEMICAL ENGINEERING**

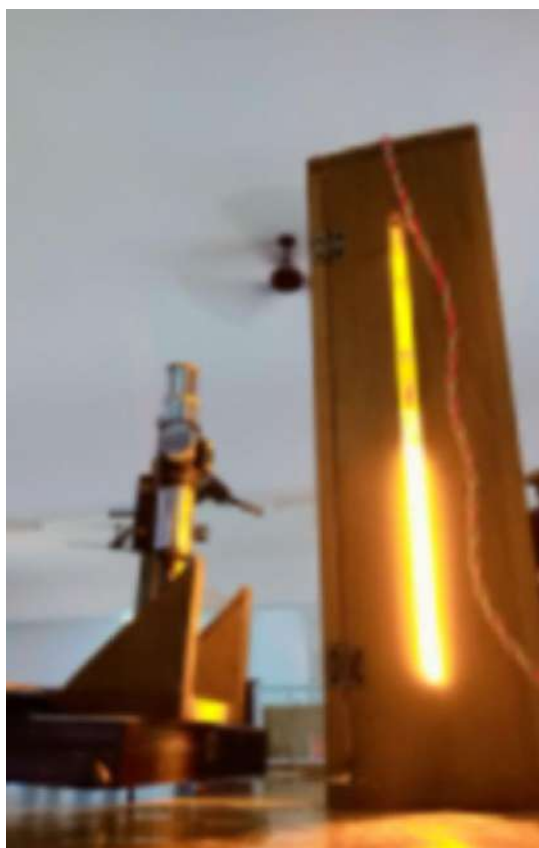


***GNANA AKASH L***  
**IV YEAR / CHEMICAL ENGINEERING**



***SAKTHI GUHAN***

**III YEAR / CHEMICAL ENGINEERING**



***SHAM SUNDAR B***

**III YEAR / CHEMICAL ENGINEERING**



**NOVA**  
**IV**  
**ENGINEERING**



**M R**  
**AL**

**SHARUN M**  
**III YEAR/**  
**ENGINEERING**



**CHEMICAL**



***NITHIS R T***

**IV YEAR/ CHEMICAL ENGINEERING**



***GANGADHARAN K***

**III YEAR/ CHEMICAL ENGINEERING**

The background of the page is white, adorned with a decorative pattern of orange hearts and thin, wavy lines. The hearts vary in size and are scattered across the page, with some appearing to be part of a larger, flowing design. The wavy lines are thin and light brown, curving around the hearts. The overall aesthetic is clean and romantic.

# **TAMIL POEM**



## வாழ்க்கை

"வாழ்க்கை ஒரு வெள்ளை ஏடு,  
நாம் வரைந்திடும் வண்ணம்  
அது  
சிரிப்பும் அழகையும்  
கலந்திடுமே!  
நம் கதையை நேர்த்தியாடு உருவாக்குமே"

"கடலென கூச்சலிடும்  
கவலைகள்,

அலைவந்து அடித்தாலும்  
அடங்கிவிடும்  
நம்பிக்கை நமக்கு  
துணையாயின்.  
நாளைய வெற்றி நிச்சயமாம்."

முடங்கிக் கிடந்தால  
சிலந்தியும்  
உன்னைச் சிறைப்படிக்கும்  
எழுந்து நடந்தால்  
எரிமலையும் உனக்கு  
வழி செருக்கும்"

"வெட்டிப் புதைத்தாலும்  
விதையாய் எழு  
எட்டி உதைத்தாலும்  
இமையாய் நில "

சச்சின் பி ,

இரண்டாம் ஆண்டு வேதிப் பொறியியல்



## கியற்றிகை.....

தினமும் எழும் சூரியன!

உன்னை யார் எழுப்புகிறார் ?

சூனையே இல்லாத நிலவே

யாருக்காக தினமும் காத்திருக்கிறாய்...!

உனக்கு என்ன அவ்வளவு சோகம்?

மழையாய்ப் பொழிகிறாய்....!

அானவில்கல....!

ஏழு வண்ணத்தில் யாருக்காகப் பாசை

அமைக்கிறாய்....!

எல்லாம் மனிதனுக்காக இல்லை ஆனால்

நாம் எல்லாத்தையும் எடுத்து கொண்டோம்....!

-M. Mutharasi

B.Tech chemical

720723114039.

## கவிதை

உன்னை பார்க்காமல் வருடங்கள் போகிறது  
உன்னோடு பேசாமல் மாதங்கள் கழிகிறது  
ஆனால் உன்னை நினைக்காமல் ஒரு  
நிமிடம் கூட கடக்கமுடியவில்லை என்னால்.

கண்களால்  
பார்க்க மட்டும் முடியும்  
என எண்ணியிருந்தேன்.  
ஈர்க்கவும் முடியும் என்பதை  
உன் கண்களைக் கண்ட  
பின்பு தான்  
கண்டு கொண்டேன்.

சதீஷ்குமார் ஆ  
மூன்றாம் ஆண்டு வேதிப் பொறியியல்

## தமிழ் கவிதை

உதிரம் உறங்காது  
ஒரு பொழுதும் மறக்காது

எத்தனை உயிர் குடித்தாய்  
ஓயாமல் நிலை குலைத்தாய்  
இரக்கமின்றி இனம் அழித்தாய்  
ஈழுத்து மண் பறித்தாய்

என் வாழ்வை நீ சிசைத்தாய்  
உலகிற்குப் பொய் உரைத்தாய்  
எதிரியாய் என்முன்னே நீ

ஒற்றுமையெனும் தீயினுள்  
எரிந்து கரியாகும்  
கரியாகும் காத்திருக்கு  
கவனமாக நீ இரு !

ரூபன் துரை E,  
மூன்றாம் ஆண்டு வேதிப் பொறியியல்

## மழை நீர்

வான் மகள் தந்த மழை நீர்!  
அன்று தாகம் தனியும் வரை குடித்தோம்!  
இன்று எவ்வளவு குடித்தாலும் தனியவில்லையே!  
எங்கே போனது நன்னீர்!  
தேடி பார்த்தால் காணவில்லை!  
பார்த்தேள் ஆனால் அது நன்னீர் இல்லை!  
கானால் நீர்!!!

ஹரிஷ் ராகவேந்திரன் ர,  
இரண்டாம் ஆண்டு வேதிப் பொறியியல்



கவிதை

\* உனை பாருத்தும் ... உயிர் வியர்க்கு தே!

உய் மணவிடி பறக்கிற தே

புவியிலும் தேவகிற தே!

உந்தன் கண்களால் என்னை மிரட்டி...

பேச வந்தவனை விரட்டிவிட்டாய்...

இன்னும் துணிவு எனக்கு வருவில்லை!

உன் கண் பார்த்து பேசிட...

இருந்தும் ஆசை குறையவில்லை.,

உன் முகம் பார்த்து ரசித்திட!

ஏனோ எனக்கு இந்த மயக்கம்.,

உன்னிடம் மட்டும் இந்த தயக்கம்.,

வந்ததன் காரணம் என்னவோ?!...

எனை பார்த்த உன் கண் களும்...

அதை பார்த்த என் கண்களும் தானே!!!

\* நீ வினையாடலை ரசித்தாய்!...

உனை வினையாட்டாய் ரசித்தேன்...

வினைவாக விழிகள்!!

விழிக்காத போதும்...

விடியாத இரவில் ... உன்னோடு கனவில்,

உலகார்த்து பேசிய உரையாடல்...

மறவாது மெண்ணே!!!

கேட்காத பொழுது நம் நாட்களும் காலும்

அவனின்

சில்லிலின்ற பேச்சும் அழகையும்

கேட்கின்ற பொழுது நம் வாழ்க்கையு கறுசிறு

அவனின்

சில காரணங்களும் மெளனமும்...

ABINESH . R

III - B.TECH CHEMICAL

ENGINEERING.

## விதன்னாடு

முத்து முத்தாய் உரலாறு!  
முத்தகுடி எனும் பேரு!  
கடல் மேலே நாடு ஒன்று!  
உட்கு தெற்காண கதை இன்று!

முத்த குடி முளைத்த நாடு!  
முத்த மொழி பிறந்த நாடு!  
முதேந்தன் ஆண்ட நாடு!  
முச்சங்கம் கண்ட நாடு!

முக்கடல் சூழ்ந்த நாடு!  
முக கலையில் சிறந்த நாடு!  
நெறிமுறைகள் தெரிந்த நாடு!  
அறம் புறமும் அறிந்த நாடு!

முத்துமணி கொண்ட நாடு!  
முன்றெழுத்தை சுமந்த நாடு!  
அறிவியலை அறிந்த நாடு!  
அவைகளையும் அளந்த நாடு!

ந.சனையும் இகந்த நாடு!  
இன்பத்தமிழை இன்ற நாடு!  
எத்தனைக்கும் அரண் அண்!  
எம் மொழிக்கும் தந்தை இண்!

Reg No: 720723114035

Name: முகமது பாசில் தார்தீன்  
II. B.tech. Chemical engineering.

## நீர்க்குமிழி

நொடிப்பொழுதே வாழ்ந்தாலும்  
தானும் ஆனந்தமாய் மிதிக்கும்  
தன்னை ரசிப்பவர்களையும் பரவசமாக்கும்....  
- நீர்க்குமிழி

எதிர்பாராமல் ஓர் சாரல்  
மேகமூடிய வானம்  
குளிர்ந்த காற்று  
மன்வாசனையோடு ஓர் பனித்துளி  
என் கைகளை நனைத்தது... பிரிந்து செல்ல  
மனமில்லை  
உறைந்து கிடைக்குறேன் என் மழையோடு

தேவசேனாபதி S ,  
இரண்டாம் ஆண்டு வேதிப் பொறியியல்

An abstract geometric design featuring a collection of 3D-rendered spheres and cylinders of various sizes. On the left side, a tall, thin cylinder is topped with a cluster of spheres of different diameters. Below it, several more cylinders of varying heights are stacked, with a single sphere resting on top of one of them. On the right side, a vertical cylinder is partially visible, with a small cluster of three spheres floating nearby. A horizontal cylinder runs across the top of the page. The overall composition is minimalist and modern, using a grayscale color palette with highlights and shadows to give the objects a three-dimensional appearance.

# ENGLISH POEM





POEM

ONCE UPON A TIME

POET

Gabriel Okara

Once upon a time, don,  
they used to laugh with their heart  
and laugh with their eye:  
but now they only laugh with teeth,  
while their ice-block-cold eyes  
search behind my shadow.

There was a time indeed  
they used to shake hand with hearts  
but that's gone, don.  
Now they shake hand without heart  
while their left hands search  
my empty pockets.

'Feel at home! 'come again':  
they say, and when I come  
again and feel  
at home, once, twice,  
there will be no three -  
for then I find door shut on me.

DHANUSH . A

720123114013

II-CHEMICAL ENGINEERING

**DHANUSH A**  
**II YEAR / CHEMICAL ENGINEERING**

## Invictus

Out of the night that covers me,  
Black as the pit from pole to pole,  
I thank whatever gods may be  
For my conquerable soul.

In the fell clutch of circumstance  
I have not winced nor cried aloud.  
Under the bludgeonings of chance  
My head is bloody, but unbowed.

Beyond this place of wrath and tears  
Looms but the Horror of the shade,  
And yet the menace of the years  
Finds and shall find me unafraid.

It matters not how strait the gate,  
How charged with punishments the scroll,  
I am the master of my fate;  
I am the captain of my soul.

- Sanjana S

- III - chemical

720722114045



**SANJANA S**  
**III YEAR / CHEMICAL ENGINEERING**



# THE ALCHEMY OF CHEMICAL ENGINEERING

In labs where beakers gently gleam,  
Chemical Engineers chase the dream,  
Through reactions and formulas, they explore,  
Unlocking secrets of matter's core,  
Mixing elements, pure and strong,  
creating solutions all along,  
Through equations and steady hands,  
They shape the world, build new lands,  
So here's to the engineers who toil,  
Turning knowledge into a masterpiece of oil,  
Plastic, fuel and medicine too,  
Chemical Engineers, we owe it to you !

NAME : KAVINILAVAN .E

DEP : Chemical Engineering.

REG NO : T20T23114025

GENRE : POEM.

**KAVINILAVAN E**  
**II YEAR / CHEMICAL ENGINEERING**

Change  
A gift of life  
For Change gives us  
Momentary awareness  
Every event  
Every story  
Every hug and kiss  
Is temporary  
For nothing repeats itself  
Yet everything is open to  
Possibility  
And therein lies  
The true gift of life

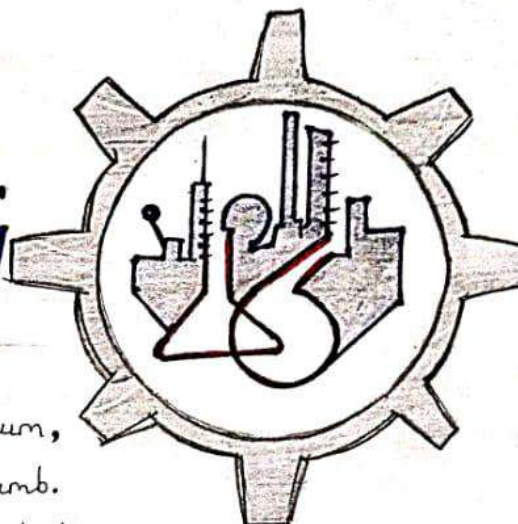
MOHAMMED SHAMEEM

720722114030

III<sup>rd</sup> YEAR CHEMICAL

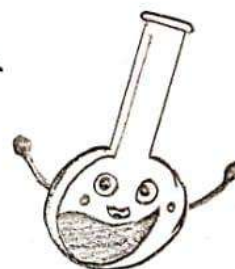
**MOHAMMED SHAMEEM**  
**III YEAR / CHEMICAL ENGINEERING**

# CHEMICAL ENGINEERING

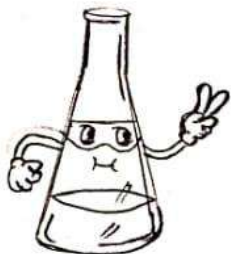


By the Reactor's steady hum,  
Flows the process, never dumb.  
Heat and mass, in balance tight,  
Yield the product, clear and bright.

Pumps and Valves, a tangled maze,  
Distill the crude in misty haze.  
Catalysts, with secret art,  
Speed the dance and play their part.



Energy moves, reactions go,  
Equilibrium runs the show.  
Yet through it all, we chase the dream -  
A better world through pipe and steam.



A. Growtham  
II<sup>nd</sup> - Year  
B-Tech - Chemical Engi

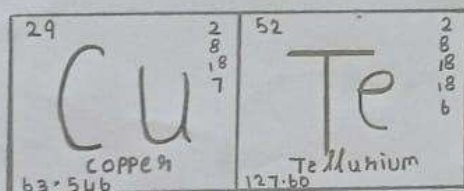
**GOWTHAM A**  
**II YEAR / CHEMICAL ENGINEERING**

=> "Love shouldn't play by the rules. It's all about chemistry"

=> "My atoms Love your atoms, it's chemistry"

=> "Are you made of Copper and Tellurium?"

Because you're "



=> "Chemistry is you touching my mind and it setting my body on fire"

=> "We fit together like reactants destined to make a perfect product"

=> "The combination of compassion, patience and respect can create the element of Love"



**SANTHOSH K**  
**II YEAR / CHEMICAL ENGINEERING**



MUKESH . S  
CHEMICAL ENG'G  
II<sup>nd</sup> YEAR

120723114038

Listen up and you will hear  
why I am called an engineer

I solved . I build . I invent

I'd say my time is very well spent

Want a bridge? I'll design it for you  
Want a new kind of wheel? I'll develop that

I use computers . I use my brain

I think and test till answer is plain .

Want a robot , a rocket, an electronic device  
I'll take a assignment, I won't think twice.

I'll make running shoe that will send you!  
I'll develop a device that will keep you from

My life is all about invention

Making the world work better is my  
intention .!?

## RAIN KNOWS THE PAIN!

My heart feels heavier  
as it can't hold anymore!  
when the drops of rain falls.

It adds the agony Somewhere!!  
I wish i could fall asleep.

deep in the dark oceans  
when my dried eyes starts.

to blue again for the reason!!

The frames of dreams  
falling apart when u see!

And the breeze with haze  
wrapping, makes it easy!!

I am not the same like me.  
who i used to be before!

And i lost the whole me with the Pain.

That could be nowhere!!

Reg No: 720723114048

DEPT: 2<sup>nd</sup> year / B.Tech chemical

## CHEMISTRY OF LOVE

It caused a surge of dopamine in me  
when you offered me a glass of love  
Here I am longing for more of your love  
Then I realised that love  
is not just hugging  
It is the missing when the glass is empty  
No not just understanding  
Yes it's the sharing and caring  
And drinking this poison of love  
which kills you slowly  
but you are happy  
to be buried in same coffin.

Love a chemical reaction  
caused by the hormones oxytocin, serotonin, dopamine  
which fools the brain  
To do all blunders and stupid things  
which will be mocked  
upon even by the victim

BY,

S.SURYA

II / B.TECH CHEMICAL

You are the dreamers, the doers, the bold  
with hearts that beat fast and spirits that unfold  
You are the change-makers, the innovators, the bright  
with minds that shine like stars, on a clear and  
endless nights.

You are the voices, that speak out loud  
Against injustice, against hate, against the crowd.  
You are the leaders who pave the way,  
for a brighter tomorrow a better way.

You are the creatives, who express and inspire,  
Through art, through music, through words that set  
the fire.

You are the thinkers, who question and explore,  
seeking answers, seeking truth and demanding more.

You are the ones who will shape the future's  
course, who will make a difference.

B. VAISHALI

III yr B.Tech Chemical  
Engineering



# DRUG AWARENESS

## Beyond the Haze

Through the enticing haze, it's hard to see  
The chains that binds, that never get free  
But with awareness, the fog does clear,  
Revealing the truth, dispelling the fear

Not just a high, not just a thrill  
But a risk, a cost, a downhill spill  
Understanding the stakes, the price to pay  
Can guide our steps, keep harm at bay

For armed with knowledge, we stand tall and aware

Navigating life with caution and care  
Beyond the haze, a future so bright  
With the power of awareness

## **THE ONE WHO THINGS HE CAN**

If you think you are beaten, you are

If you think you dare not, you don't

If you like to win, but you think you can't

It's almost an inch, YOU WON'T

If you think you'll lose, you're lost

For out in the world, you will find

Success begins with a fellow's will

It's all in a state of mind !

Life's battles don't always go

To the stronger or faster man

But sooner or later the one who wins

Is THE ONE WHO THINGS HE CAN

**MAYUGHA PK**  
**II YEAR / CHEMICAL ENGINEERING**

## **A MOTHER'S LOVE**

A mother's love is Pure and True,

A constant heartbeat, always new

From dawn till dusk, she guides the way

With gentle hands and a loving away.

Her kindness flows like a river wide,  
Nourishing hearts and souls inside  
With every smile, she lights the day,  
And chases fears and doubts away.

Through laughter and tears, she stands by your side,  
A rock of strength, a loving guide  
Her selfless devotion, a precious find,  
A treasure to cherish, one of a kind

So, here's to mother, a love so divine,  
A blessing to cherish, a heart that mine  
May May her kindness and care forever shine,  
A beacon of love, a heart that's truly MINE.

**JOTHIKRISHNAN N**  
**III YEAR / CHEMICAL ENGINEERING**

## **MAN & MACHINE**

It's through lot of pain and hard work,  
Using lathe machine to do metalwork,  
Struggles in doing all the piece work,  
The individual work and group work,  
Before the product gets a trademark,  
Day in day out we advance our skills  
As machines cuts, shapes and drills.  
We work with passion to pay our bills  
The bad Smell when the coolant spills

Every day we operate a machine that kills  
As wear the helmet on our heads  
We operate with dirty on our hands  
After plain turning we make metal bends  
Cut the metal into pieces 'n' make threads  
And take a rest when the whole project ends.

**REBINESH R**  
**II YEAR / CHEMICAL ENGINEERING**

## **ETERNAL FLAME**

The songs we shared are the beats of my heart !!  
The second we shared are the decades of my odyssey !!  
The gazes we shared are the portraits in my fantasy !!  
The smiles we shared are the breeze through my window !!  
The dreams we shared are the journey of my life !!  
The love we should are the endless flame in my heart !!

**AARA AMUTHAN B**  
**II YEAR / CHEMICAL ENGINEERING**

## **ON BEING A STUDENT**

Time rushes by  
Waiting no one in a line  
leaving someone to  
A great possibility  
A possibility holding the torch  
knowledge onlys treasure  
The wisdom of students

The struggle of identity  
Makes one to dream for the Stars  
A plane of struggle is in your palm

**NIKITHA B**

**II YEAR / CHEMICAL ENGINEERING**

## **SOUL**

My Soul chases after Something  
Exclusive as the moon  
Waxing and warning.  
One moment I catch it ,  
Full and brilliant.

**GOPIKA A S**

**II YEAR / CHEMICAL ENGINEERING**

## **TIME**

TIME is Veng Slow  
for those who wait  
Very fast for those  
who are scared  
Very long for those  
who lament  
Very short for those  
who celebrate  
But for those who love,  
time is eternal

**NAIR A**  
**II YEAR / CHEMICAL ENGINEERING**

## **DREAMS**

Hold fast to dreams  
for if dreams die  
Life is a broken winged bird  
that cannot fly .  
Hold fast to dreams  
for when dreams go.  
Life is a barren field  
frozen with Snow  
-Langston Hughes

**SOURAV C H**  
**II YEAR / CHEMICAL ENGINEERING**



## **YOUR BEST**

if you always try your best  
Then you'll never have to wonder  
About what you could have done  
If you'd Summoned all your thunder

And if your best  
Was not as good  
As you hoped it would be  
You still could say

"I gave today  
All that I had in me"

**FADL FAISAL MOHAMMED  
III YEAR / CHEMICAL ENGINEERING**

## **FRIENDS**

A friend is someone we turn to  
When our spirits need a lift

A friend is Someone we treasure,  
for friendship is a gift

A friend is Someone who fills our  
Lives with beauty and joy,

A friend is someone who fries  
me without end.

**SHAM SUNDAR B  
III YEAR / CHEMICAL ENGINEERING**

## **LIFE**

Life is what you make it  
so many are coming at its wrong victims  
Seeing that life happens to them  
    life is bad for them  
    but life is life  
In and of itself it simply is what it is !  
    Shakespeare was a genuine one  
“There is nothing good or bad but things make it so”

**FATHIMATH FIZA NAZRIN**  
**II YEAR / CHEMICAL ENGINEERING**

## **LITTLE BIRD**

One I saw a little bird  
come hop, hop, hop  
So I cried “little bird”  
Please stop, stop, stop  
  
As I walk to the window  
To say how to you do  
The little birds shook his tail  
And far away he flew.

**NANDHAKISHOR P V**  
**II YEAR / CHEMICAL ENGINEERING**

## **POLLUTION OF THE EARTH**

In this world that is full of  
We need a helpful solution  
We need peoples contribution,  
To make our environment be beautiful place to have a  
imagination  
All peoples want to have a good place  
To live in peace  
In enable to achieve  
You just need to believe  
That some days were gonna live  
In a beautiful and healthy Earth

**GEON VARGHESE M**  
**II YEAR / CHEMICAL ENGINEERING**

## **TIRED OF MY LIFE**

In the classroom ,day by day  
I chase my dreams. I find my way  
But sometime, oh I'm tired of life,  
Achiest stress and endless strife

So when I'm weary, I feel the strife.  
I'll remember the joys, the wonders of life  
for though its thought with struggles rife  
I'll never truly be tired of life guiding light.

**GOKUL D**  
**III YEAR / CHEMICAL ENGINEERING**

## **VALUE**

Value the person who gives you time  
It's not just time they share part of life with  
YOU

**SHIVASHANKAR S**  
**II YEAR / CHEMICAL ENGINEERING**

## **THE ENGINEER**

Listen up and you will hear  
Why I am called an engineer  
I solve, I build, I invent  
I'd say my time is very well spent  
Want a bridge? I'll design it for you  
Want a new kind of wheel? I'll develop that, too  
I use computers, I use my brain  
I think and test till the answer is plain  
Want a robot, a rocket, an electronic device?  
I'll take the assignment. I won't think twice  
I'll make running shoes that will send you soaring!  
I'll develop a device that will keep you from snoring!  
My life is all about invention.  
Making the world work better is my intension.

**SULOKSHANA S**  
**III YEAR / CHEMICAL ENGINEERING**

## **I WANDERED LONELY AS A CLOUD**

How happy is the little stone  
That rambles in the mood alone,  
And doesn't care about careers  
And Exigencies never fears –  
Whose coat of elemental brown  
A passing universe put on,  
And independent as the sun  
Associates or glows alone,  
Fulfilling absolute sense  
In casual simplicity

**MUHAMMAD SIDNAN A K  
III YEAR / CHEMICAL ENGINEERING**

## **BEST PROPOSAL**

Shall we be the starts and night,  
and to end as sparkling sky!

shall we be the breath and air.  
and to end life at care!

Shall We be the dark and shadow  
and to end as endless mystay!

Shall we be the kiss and lips  
and to end as high at risk!

Shall we be the spark and smoke  
and to end a rage of fire!

Shall we be the cliff and cloud  
and We to end as softest cuddles,

shall we be the hand and hold,  
and to end as lifelong journey!

**MANI BALU V**  
**II YEAR / CHEMICAL ENGINEERING**

### **DEEPER THE DRILL**

Deeper the drill  
Hotter the thrill  
Breaking earth's crust  
Spitting out dust

Depth means more heat  
Thermo-dynamics need  
Difference must be great  
fire brigade  
Ready to aid

But now we're here!

In the end it is done  
Geothermal Hole One  
Energy in extreme  
So efficient, so clean

Our next breakthrough, I dream !

**RAHIL AHMED**  
**III YEAR / CHEMICAL ENGINEERING**



## **"Two" MAKES EVERYONE**

In dreams the Name "two makes" perfect,  
Two friends makes everything possible  
Two eyes can Sight 180 degree  
Two legs can walk perfectly  
Two ear can hear easily  
Two nose can breath easily  
Two in a day of day and night  
Two words Can made 'hi'  
Its the things "two" makes everything perfect  
" two", "two", and "two" two makes life perfect

**MAHESH SARAN S**  
**III YEAR / CHEMICAL ENGINEERING**

## **SHE**

She is the one who was  
Proved be to wrong  
but always right!  
Raped at the streets,  
but ready to fight  
Provided with weakness  
but chose to be strong!  
treated like illness  
but truly is a cure?  
Killed by love-self esteem  
but runs for her own dream!  
yeah! she is filled with pain bat she is always a QUEEN.

**POTHIRAJA P**  
**III YEAR / CHEMICAL ENGINEERING**

## **"ONE" MAKES EVERYONE**

In dreams the Name "One" makes everything  
One tree can start a forest  
One vote can change a nation  
One touch show you care  
One word make motivation  
One king makes his kingdom  
One mouth can eat  
One bong can make spark moment  
One candle remove darkness  
It's One the things "One" makes everything  
"One" and "one" makes "everyone"

**SIVA SURYA R**  
**III YEAR / CHEMICAL ENGINEERING**

## **CAUGHT**

My soul chases after something  
Exclusive as the moon  
Waxing and warning  
One moment I catch it,  
Full and brilliant.

**GOPIKA R**  
**II YEAR / CHEMICAL ENGINEERING**

## **NATURE'S TIMELESS SYMPHONY**

The whispering winds through forest tall,  
A river rings, the birds at wall,  
The golden sun on fields so wide,  
Mountains stand in timeless pride.

The flowers bloom, the raindrops dance,  
In nature aims, a feeling glance.  
A world so pure, so wild, so free,  
A timeless gift for you and me.

**ANOOP S**

**III YEAR / CHEMICAL ENGINEERING**

## **TRUST THE UNIVERSE**

I must trust the universe,  
I must take my eye from the stars.  
I must listen to the infinite wisdom  
Hidden in their shining silence.

Everything that must be, will be  
In its own time, of its own mind.  
I am meant to sit in the witness,  
To observe, to learn, to accept.

The more I try to assert my will,  
The more I fall in my own failing,  
The more I question and doubt,  
The more my spirit seeps out,

**SUDALAIKUMAR M**

**II YEAR / CHEMICAL ENGINEERING**

## **NATURE CARE**

The morning dew upon the grass,  
The sun that warms the clouds that pass,  
A breeze that whispers through the trees  
A song that travels with seas.  
The mountains stand, so proud, so grand

The rivers carries the ancient land  
The flowers bloom with bright colors  
Turning day into pure light  
In forest deep, in valleys wide.  
The earth's own secrets often hide  
The animals that roam with grace  
Leave footprints in a quiet place  
The sky, so vast, holds tales untold  
Of stars that shimmer, soft and hold  
The moonlight dances on the tide  
While shadowed play at night's bedside.

**RAGHAV R**  
**III YEAR / CHEMICAL ENGINEERING**

## **SCIENCE**

Everything works,  
    Because of science,  
Even your old  
    Kitchen appliance.  
What about you  
    Mom's car ?  
Without science,  
    It wouldn't go far.  
With science we could make,  
    A computer or phone,  
If you want a twin  
    Just ask for a clone.  
Science will explain  
    Nature and trees,  
It's also used  
    To find cures for disease  
Science is cool,  
    The evidence is clear,  
It's so much fun  
    Enjoy it my dear.

**LINGESHWAR V**  
**II YEAR / CHEMICAL ENGINEERING**



A decorative border of colorful hearts (red, orange, yellow, green, blue, purple, pink) arranged in a rectangular frame around the central text. The hearts are of various sizes and are placed along the top, bottom, left, and right edges of the page.

# TAMIL ESSAY



## இயற்கை

### கியற்றுகை

முன்னுரை:

கியற்றுகையானது மனித வாழ்வுக்கித்கினைந்த மிகப்  
மரிய மாகக்கிழம். பல கவனங்கள் எடுத்தாளர்கள், கலைஞர்கள்  
மற்றும் பலர் அவர்களின் மனப்புகளில் கியற்றுகையை மதித்தார்  
கிணையற்ற சித்தி உடைய கியற்றுகையைப் பற்றி  
கிங்குருறையல் காண்போம்.

எண்ணற்ற கியற்றுகை:

கியற்றுகை கல்லாமல் மனிதகிலம் உயர்வாழ்வு  
காத்தியமற்ற, அதை மனிதர்கள் புரிந்து ககாள்ள கெண்டும்.  
கியற்றுகைதான் பூமியல் வாழ்வான் கெயல்பாட்டிற்கி மயாழியாகும்.  
மனித கணம் கெழிக்க கியற்றுகை கின்றியமையானது நாம்  
காணும் அனைத்தும் கியற்றுகையன் மைப்பெ கெவாகும்.

கியற்றுகை - நம் அண்ணை!

கியற்றுகை உண்மையல் பூமிக்கி கடவுள் ககாடுத்த  
மலைமதிப்பற்ற மரிசு- கியற்றுகையை 'அண்ணை கியற்றுகை' என்ற  
அகைக்கிழாம். கித்தகைய கெரணை ககட்டும் கியற்றுகையை  
காப்பகித கெவ்வாறு மனிதனின் கலையான கெமையாகும்.

கியற்றுகையை கெதப்படுகல்:

கின்ற நாம் கியற்றுகையை அகித்தகக் ககாண்டு  
ககைக்கிறாம். கெங்கள் கெய்மை ககித்தக வகிகின்றன.

சாக்கடைகளும், ஏதாழிஞ்சாலைக் கழிவுகளும் ஆற்றால்  
கலக்க உடம்படுகின்றன. சிவனாணையால் இராசாயன  
உரங்கள் பயன்படுத்திப் படுவதால் நிலம் நச்சுத் தன்மை  
அடைகிறது. ஊர்திகள் ஏதாழிஞ்சாலைகள் அணல்மின்  
நிலையங்கள், அணைவறை ஆய்வுகள் போன்றவற்றால்  
நாற்று தூய்மை கிழங்கு வடுகிறது.

கிழந்தையை பாதுகாத்தல் :

பலிவறு நாடுகளின் அரசாங்கங்கள் கிழந்தையைப்  
பாதுகாக்க பலிவறு வழிகளை பயன்படுத்தினாலும்  
தனிநபர்களும் தங்கள் பங்களியிதய வழங்கி முன்  
வர உண்கும். மரங்கள் தடுதல், காசிதப் பயன்பாட்டைக்  
கட்டுப்படுத்தல் தண்ணீர், மின்சாரம் மற்றும் ஈரிவாருள்  
வினாஅதைத் தடுப்பது, ஏதாழி பயன்பாட்டைத் தூர்பது  
நங்கள் பகிதியைச் சுற்றியுள்ள கிழந்தை தூய்மையாக  
வைத்திடுதல் போன்ற வழிமுறை பரிபற்ற உண்கும்.

கிழவுறை :

நம் அபராக்கியமான வாழ்க்கைக்கு கிழந்தை  
குன்றியமையாதது எனவே அதை தூய்மையாக வைத்து  
நமது வடுங்கால சந்ததியனருக்காக பாதுகாக்க  
உண்கும்.

கீர்த்தனா K,

இரண்டாம் ஆண்டு வேதிப் பொறியியல்



# ENGLISH ESSAY





# WILLIAM SHAKESPEARE

BORN : 23 APR 1564

DIED : 23 APR 1616

\* He was an english playwright, poet and actor. He is widely regarded as the greatest writer in the english language and the world preeminent dramatist. He is often called england national poet. He was married Anne Hathaway in November 1582 and they remained married until Shakespeare's death. His early plays were primarily comedies and histories and are the regarded as some of the best work produced in these genres. He then wrote mainly tragedies until 1608, among them Hamlet, Othello, King Lear and Macbeth, all considered to be



among the finest works in English. He was famous for his timeless plays that explore universal themes, influence on the English language and historical impact. Shakespeare plays offer timeless insight into human nature, society and the complexities of relationships. Through his masterful story telling, we learn about the enduring themes of love, power, jealousy, betrayal and the human condition. One of Shakespeare's enduring legacies lies in his profound understanding and portrayal of the complexities of human nature.

by .....

Sivaraman

III-year CHEMICAL

# COVID - 19...

Coronavirus disease 2019 (Covid-19) is a contagious disease caused by the coronavirus SARS-CoV-2. In January 2020, the disease spread worldwide, resulting in the Covid-19 pandemic.

## Content:

The symptoms of Covid-19 can vary but often include fever, fatigue, cough, breathing difficulties, loss of smell & loss of taste. Symptoms may begin one to fourteen days after exposure to the virus. At least a third of people who are infected do not develop noticeable symptoms.

Of those who develop noticeable enough to be classified as patients, most (81%) develop mild to moderate symptoms, while 19% develop severe critical symptoms (respiratory) failure, shock or multi-organ dysfunction. Older people have a higher risk of developing severe symptoms.

Some complication result in death. Some people continue to experience a range of effects (long COVID) for months (or) years after infection, and damage to organs has been observed. Multi-year studies on the long-term effects are ongoing.

Testing methods for COVID-19 to detect the virus's nucleic acid include real-time reverse transcription polymerase chain reaction. Transcription mediated amplification loop-mediated isothermal amplification from a nasopharyngeal swab.

The first known case was identified in Wuhan China, December 2019. Most scientists believe that the SARS-CoV-2 virus entered into human populations through natural zoonosis, similar to the outbreaks, and consistent with other pandemic in human history. Social & environmental features.

By,

M. NARENDRHIRAN.

B.TECH (CHEM) - III<sup>rd</sup> - YEAR.



# **How chemical engineering can change the world**

## **Introduction**

Chemical engineers play a vital role in addressing some of the world's most pressing challenges. From energy and environment to health and medicine, chemical engineers are developing innovative solutions that transform lives and shape a sustainable future. This essay will explore the various ways chemical engineers can change the world, highlighting their contributions to renewable energy, sustainable food production, medical breakthroughs, and environmental stewardship.

## **Energy and Environment**

Chemical engineers are at the forefront of the transition to renewable energy. They design and develop sustainable energy systems, such as solar panels, wind turbines, and fuel cells. These technologies harness energy from natural sources, reducing our reliance on fossil fuels and mitigating climate change.

One notable example is the development of biofuels. Chemical engineers have engineered microorganisms to convert biomass into biofuels, providing a sustainable alternative to petroleum-based fuels. This innovation has the potential to significantly reduce greenhouse gas emissions from transportation.

In addition to renewable energy, chemical engineers are working on carbon capture and utilization technologies. These systems capture CO<sub>2</sub> emissions from power plants and industrial processes, converting them into valuable chemicals and materials. This approach not only reduces greenhouse gas emissions but also creates new economic opportunities.

## **Health and Medicine**

Chemical engineers play a crucial role in the development and manufacture of life-saving medications and medical devices. They design and optimize pharmaceutical production processes, ensuring the safe and efficient manufacture of drugs.

One notable example is the development of targeted cancer therapies. Chemical engineers have designed nanoparticles that selectively target cancer cells, delivering chemotherapy drugs directly to the site of the tumor. This approach reduces side effects and improves treatment outcomes.

## **Food and Agriculture**

Chemical engineers are developing sustainable solutions for food production, processing, and distribution. They design and optimize agricultural systems, improving crop yields and reducing waste.

One notable example is the development of precision agriculture. Chemical engineers have designed sensors and monitoring systems that track soil moisture, temperature, and nutrient levels. This data enables farmers to optimize irrigation, fertilization, and pest control, reducing waste and improving crop yields.

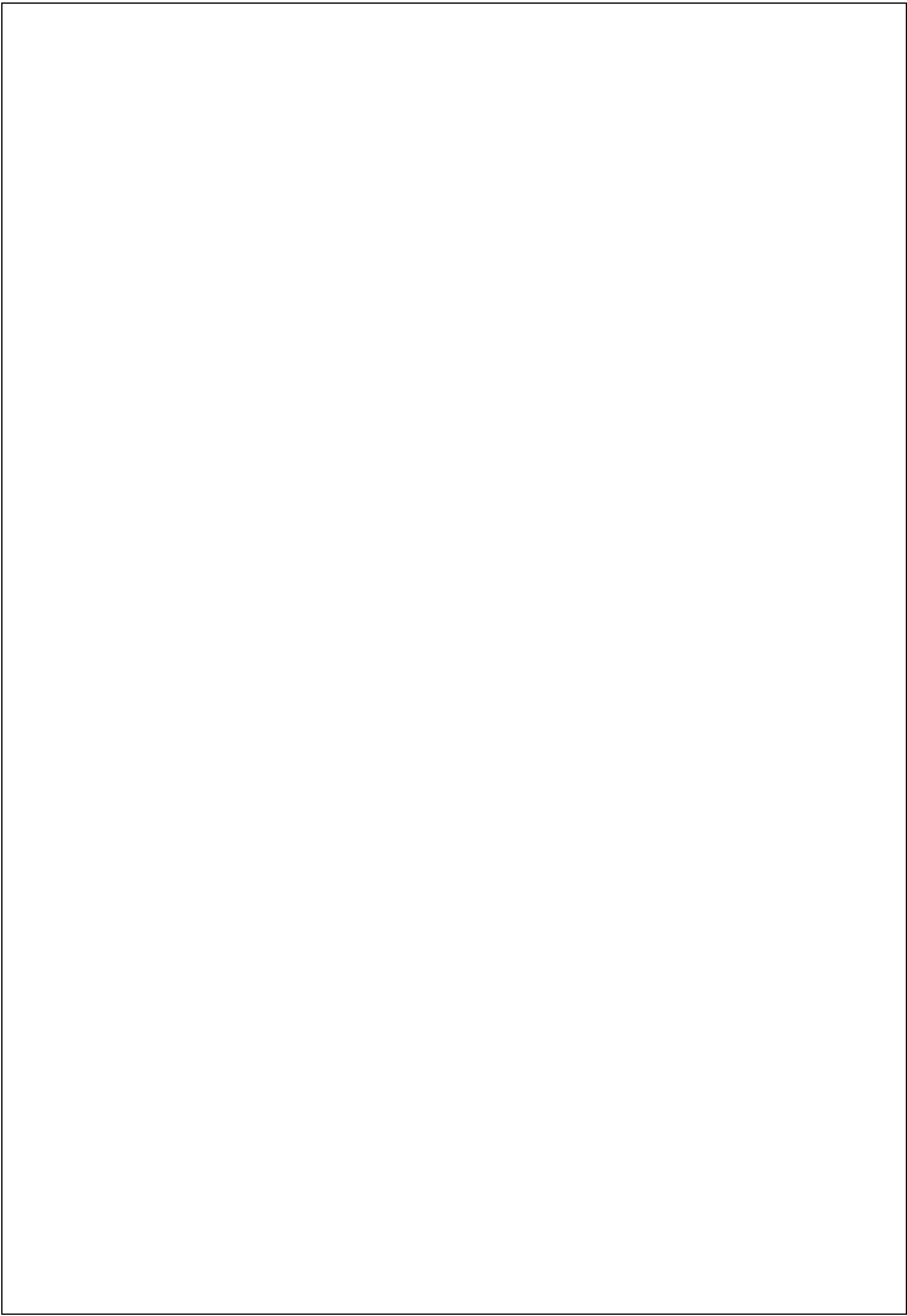
Chemical engineers are also working on food processing and preservation technologies. They have developed innovative methods for drying, freezing, and packaging food, reducing spoilage and improving food safety.

## **Conclusion**

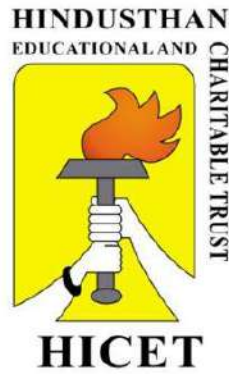
Chemical engineers have the power to transform the world by developing innovative solutions to press global challenges. From renewable energy and sustainable food production to medical breakthroughs and environmental stewardship, chemical engineers are shaping a better future for all.

As the world continues to evolve and face new challenges, the role of chemical engineers will become increasingly important. By combining technical expertise with creativity and passion, chemical engineers can drive positive changes, improve lives, and create a more sustainable world for generations to come.

**KUMARAN G**  
**II YEAR / CHEMICAL ENGINEERING**







# CHEMERSAT'Z

DEPARTMENT OF CHEMICAL ENGINEERING

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