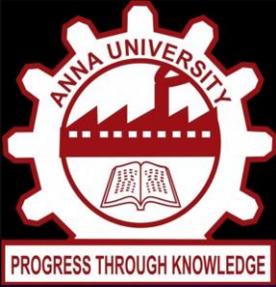


Jan - Jun 2021



DEPARTMENT OF BIOTECHNOLOGY
UNIVERSITY COLLEGE OF ENGINEERING
BIT CAMPUS, ANNA UNIVERSITY
TIRUCHIRAPPALLI - 620 024

DEPARTMENT NEWSLETTER

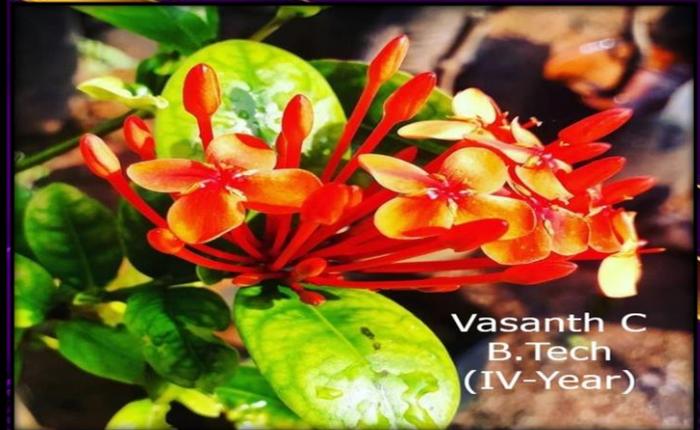
BIT - BioTalks

" Nothing in biology makes sense except in the light of evolution"

- THEODUSIUS DOBZHANSKY



Muthupalani N
B.Tech. (IV Year)



Vasanth C
B.Tech
(IV-Year)

CONTENTS

- Vision and Mission
- Academic Activities
- Science Everywhere
- Art Gallery
- Novel
- Poetry in Tamil and English

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VISION AND MISSION

THE INSTITUTION

VISION

To transform students into competent professional and responsible citizens by focusing on assimilation, analysis, synthesis and dissemination of knowledge to meet the societal needs.

MISSION

- ❖ Impart quality education to meet the needs of the profession and society.
- ❖ Attract and develop talented and committed human resource and provide an environment conducive to innovation and research.
- ❖ Facilitate effective interactions among faculty, students, premier educational institutions, R& D laboratories, industries, alumni and other stack-holders.
- ❖ Practice and promote high standards of professional ethics, transparency and accountability and team spirit and entrepreneurial skills.

THE DEPARTMENT

VISION

To develop technical manpower in biotechnology to enhance the knowledge and skill to solve problems and challenges countenanced by the industry and academia for betterment of the society.

MISSION

- ❖ To provide an academic environment that emphasizes critical thinking.
- ❖ To encourage intellectual depth and creativity of the students.

- ❖ To establish institute industry interaction through projects and training.
- ❖ To promote the students to adhere professional ethics and safety considerations for the societal benefits.
- ❖ To motivate the students to pursue higher studies in various spheres of technology.

PROGRAMME EDUCATIONAL OBJECTIVES

- ❖ To enable the students to formulate, analyse and solve issues in various areas of biotechnology.
- ❖ To apply the acquired knowledge to cater the needs of the academia, research and industry.
- ❖ To develop ethical quality among the students for providing constructive service to the society.
- ❖ To emphasize the value of continuous learning to face the challenges in professional career.

PROGRAMME OUTCOMES

Upon completion of the Bachelor in Biotechnology program, graduates will be able to:

- ❖ Apply knowledge of mathematics, science and engineering to biotechnological problems. Generate hypothesis, design and conduct experiments, interpret and analyse data, and report results.
- ❖ Design systems and process to find solutions for biotechnological problems to meet the needs of society.
- ❖ Employ research skills to investigate, design, conduct experiments and interpret the data to arrive valid conclusions.
- ❖ Use of biological concepts and appropriate techniques to find solution for the problems. Recognize the moral and social values to appreciate the need for ethical standards and professional codes of conduct.

- ❖ Appreciate the contribution of biotechnology to maintain the quality of environment and sustainability of life.
- ❖ Demonstrate adherence to accepted standards of professional ethics and responsibilities. Work independently and function effectively as a member or leader of a team.
- ❖ Develop the verbal and written communication skills relevant to professional-position.
- ❖ Create entrepreneurial and managerial skill for the implementation of multidisciplinary projects.
- ❖ Possess skills necessary for life-long professional learning.

PROFILE

The Department of Biotechnology was started in the year 1999 with a vision to develop technical manpower in the wide area of biotechnology. It is a DST-FIST Sponsored Department and is offering B. Tech., M. Tech., and Ph. D. degree programmes in Biotechnology. The department has many laboratories equipped with advanced instruments like Quantitative Real Time PCR, Multimode Detector, G-PCRs, HPLC, GC, UV-Vis spectrophotometers, Fermentor, CO₂ and Multi-gas incubators, Gel Documentation system, Fluorescent Microscopes, DNA Sequencer, Electroporator, Plant Growth Chamber, Rotary Evaporator, Bio-safety Cabinet (Class II) and facility for plant tissue culture. Currently, our department is strengthened by 12 well qualified faculty members from diverse fields and specializations. Several research projects funded by various national funding agencies like DBT, DST, DRDO, ICMR, and UGC have been carried out by our faculty members. Our department has been funded by AICTE for the establishment of Computational Biology and Bioinformatics laboratory under MODROB scheme.

ACADEMIC ACTIVITIES

INTERNSHIP

- ❖ **Mr. Kanish Nareen V, Mr. Ananthraj J and Mr. Pravin Raja M** had undergone their internship programme in “Pharmaceutical analysis of products” from 15-07-2021 to 24-07-2021.
- ❖ **Mr. Lokesh V** had undergone online internship programme “Integrative eQTL Analysis of Gene Expression and Metabolic Pathways associated with Alzheimer’s Disease” in Hack bio International Bioinformatics from 27-07-2021 to 30-08-2021.
- ❖ **Mr. Shahin Mohammed S K** had undergone the internship programme “Training on Medical Entomological Studies” in ICMR- VCRC Madurai on 12-06-2021.
- ❖ **Ms. Aafrin Imrana A** had undergone the internship programme “Molecular biology and biochemistry techniques” in IIT Kharagpur from 30-01-2021 to 25-02-2021.
- ❖ **Ms. Lakshmi V** had undergone the internship programme “Research Associate Role in Life Science” in Biolim centre for science and technology from 27-01-2021 to 25-02-2021.

WORKSHOP AND TRAINING

- ❖ **Ms. R.Harseni** participated the workshop on “ column chromatography” and “spirulina cultivation” in Veridian Micro lab Pvt. Ltd. on 29-05-2021.
- ❖ **Ms. Aafrin Imrana A** participated the workshop on “Neurodegenerative Disorders - Impacts and Progress, Mental Health in the Age of COVID-19” in Chicago and Oregon Health and Science University from 13-05-2021 to 15-05-2021.
- ❖ **Mr. Vasanth C and Mr. Suriyaprakash S** participated in one-day workshop on “Intellectual Property Rights (IPR)” organized by University of Hyderabad- Institutional Innovation Council and Technology Enabling Centre on 22-05-2021.
- ❖ **Ms. Aafrin Imrana A** completed the training on “Drug development and discovery” in University of California, San Diego in the period from 30-04-2021 to 31-07-2021.
- ❖ **Mr. Suriyaprakash S and Mr. Vasanth C** participated online Workshop on “High-Performance Computation in the Agricultural Domain” conducted by IIT Indore, ICAR-IISR Indore, and Mahindra University Hyderabad in collaboration with C-DAC Pune, IISc Bangalore, IIT Kharagpur under the aegis of National Supercomputing Mission from 14-06-2021 to 16-06- 2021.

CONFERENCES AND WEBINARS

- ❖ *Mr. Suriyaprakash S and Mr. Vasanth C* participated the online international webinar on “Application of Nanotechnology in food Science & Technology : Current Prospects and Future Development” delivered by Dr. Jayanta kumar patra, Dongguk University, Republic of Korea on 29-05-2021.
- ❖ *Mr. Vasanth C and Mr. Suriyaprakash S* participated the one day International conference on metabolomics of cancer Organized by the department of Microbiology & Biotechnology, Guru Nanak College of Science, MS(India) on 27-03-2021.
- ❖ *Mr. Suriyaprakash S* participated the international webinar on “Life Beyond Earth: Poly-extremophiles Link between Earth and Astrobiology” organized by Post-Graduate Department of Microbiology on 07-05-2021.

PLACEMENT

The following students B.Tech- Biotechnology (2017-2021) batch got placed as given below

Name	Position	Company Name
Mr.Venkatesh G Mr.Gowtham P	Trainee Med Coder	Episource
Mr.Sathyesh M	Trainee Med Coder	S2M
Mr.Priyadharshini S	Trainee Med Coder	Visionary RCM

HIGHER STUDIES

- ❖ *Mr. Bharathwaj N* , B.Tech. (2017-2021) batch got admission to master programme (M.Tech. in Biotechnology) at **Indian Institute of Technology Guwahati (IITG)** through GATE 2021.

SCIENCE EVERYWHERE

Optogenetics

(To control the brain neurons with blue light switches)

-Suriyaprakash S, B.Tech. (IV Year)

Introduction

In the cutting-edge world, many advanced technologies are evolved to help the human for a higher life. New techniques are located for reinforcing human lifestyles in peace and convey happiness. But in our body, cells are sometimes defected naturally or accidentally. Mostly in India 9.2 million people were with blindness and 275.0 million people were with vision loss according to a statistical report in 2020. These vision impairments were corrected or partially corrected by an ophthalmologist. scientists were taken critical challenges for coming across new techniques to trade the gene and bringing returned vision below this technology named "**optogenetics**".

History and contribution of Optogenetics

Optogenetics techniques is also called as biological technique. It describes controlling neural activity by using light (**blue color**) with genetic engineering and is also otherwise called as **Neuromodulation method**. This method can use a combination of techniques from “optic” and “genetics”. It can also change the behaviour of an animal. Optogenetics was developed over the period 2004 to 2009. **Karl Deisseroth of Stanford University and Ed Boyden of MIT** were the inventors of optogenetics. Another great person, **Zhuo-Hua Pan** invented optogenetics first. Because, he contributed a major role in neuroscience and optogenetics, he created a new history in the neuroscience world. He dedicated himself to work for curing blindness.

Using channels, protein and enzymes in optogenetics (light activating protein ‘opsin’)

The Optogenetic actuators like channel rhodopsin (ChR2, ChR1, VChR1, and SFO), halorhodopsin, and archaerhodopsin are used to control the neuronal within the brain.

Functions of opsin

Opsins are the commonplace photoreceptor molecules of all visible systems inside the animal kingdom. Opsins cause depolarization or hyperpolarization of the cellular membrane with processing to cellular excitation or silencing on a millisecond time scale.

Blue light switches in optogenetics

Blue light triggers **emphatic fear and memory in mice**. Mainly **chR2** and absorbs blue light which leads to conformation changes. These may allow the **H⁺, Na⁺, K⁺, and Ca⁺** ions to passively diffuse and come down their concentration gradients. In **2015, society for neuroscience annual meeting, Chicago** for discussed about side effects of optogenetics and finalized that a blue light is to activate particular subsets of neurons.

Small pulses of blue light dampen the expression of inflammatory genes in microglia, microglia- immune cells in brain. The light triggers a cascade of signals in activated microglia that dampen the expression of (**NF-kappaB - a transcription factor**) that regulates other inflammatory genes experimentally in mice: To control the **calcium level (Ca²⁺)signalling** in mouse brain by using light in optogenetics; and also control neural activity and behavioural changes by using blue light (on / off) in mice experimentally defined.

Application of optogenetics

- Not only in eyes, many different studies like stem cells, cardiac tissue etc. are clinically researched and studied.
- Optogenetics methods have a broad range of activities like behaviour and physiology, learning memory, metabolism, hunger, motivation, fear, sleep, respiratory and sensory processing.
- By allowing spatial and temporal control of cells, these techniques are highly potential to therapeutic strategy for neurological diseases.
- In neuroscience field, numerous applications are for enhancement for life changes research.

Conclusion

In future, optogenetics will be placed in great role in our life and sciences. Light based technologies have a control on some other parts of our body like muscle and nerve cells and to control the behaviour activity of any organisms will be developed soon. Optogenetics has changed the face of neuroscience and new generation experiments are being evolved for prevention of any genetically neurodegenerative diseases cause death.

References

- ❖ <https://www.nature.com/articles/s41591-021-01351-4>
- ❖ <https://www.the-scientist.com/the-nutshell/the-history-of-optogenetics-revised-32910>
- ❖ <https://en.wikipedia.org/wiki/Optogenetics>
- ❖ <https://www.nature.com/articles/nn.4091>

Role of artificial intelligence in biotechnology

-Aafrin imrana A, B.Tech. (III Year)

Introduction

Artificial Intelligence (AI) may sound advanced, however as of now it exists in numerous regular innovations. For instance, it gives our handheld gadgets voice and facial acknowledgment abilities. Artificial intelligence is Likewise making its quality felt in biotechnology, where it has gotten indispensable to numerous parts of Medication revelation and advancement. By utilizing AI, AI can oversee unique clinical preliminary datasets, Empower virtual screening, and break down immense measures of information. Other than diminishing clinical Preliminary costs, AI can increase in any case hopeless bits of knowledge and feed them again into the medication Improvement process.

Example of Biotechnology industry using AI technique

Another organization concentrated on overseeing clinical preliminary information is Precision Medicine Group. The organization's Precision for Medicine business as of late gained QuartzBio, an AI stage that breaks down natural and clinical information streams to extricate information and bits of knowledge to quicken medicate advancement. This process is only from time to time succeeding, proposes Cliff Culver, senior VP of Precision Medicine Group.

"The entirety of that information is produced autonomously and lives in disengaged designs everywhere," he says.

Agriculture Biotechnology

Agriculture biotechnology grows hereditarily changed plants to build crop yields or acquaint new qualities with the current plants.

Medical Biotechnology

Medical biotechnology utilizes living cells for the advancement of human wellbeing by delivering Medications and anti-toxins.

Animal Biotechnology

This branch applies sub-atomic science methods to hereditarily build/change the animals to improve their Maintainability pharmaceutical, modern, or farming purposes.

Industrial Biotechnology

Industrial biotechnology is about biopolymers substitutes, the development in different territories like vehicle Parts, fills, strands, new synthetic compounds, and the creation procedure.

Bioinformatics

Bioinformatics helps the procurement, stockpiling, handling, dissemination, investigation, and translation of Biochemical.

Uses of AI in Medical Bio-Technology Biotechnology

- Medication Discovery and Clinical Trials-Medication revelation has been the most energizing utilization of AI and ML.
- Diagnostics-AI and AI are being utilized in the conclusion of malignant growths.
- Customized Medicine-There is a lot of exploration proceeding with respect to the use of AI and insightful assessment in retrying treatment to a person's exceptional prosperity history.
- Electronic Health Record (EHR)- Conclusion Based on the above analysis, it is concluded that Artificial Intelligence has been created a direct impact to The biotechnology.

Conclusion: Based on the above analysis, it is concluded that Artificial Intelligence has been created a direct impact to The biotechnology.

ART GALLERY

PHOTOGRAPHY



Suga priya S
M.Tech. (II Year)



Haritha R
M.Tech. (II Year)



Usha P
M.Tech. (II Year)



Keerthika D
M.Tech. (II Year)



Krishnaveni S
M.Tech. (II Year)



Vasanth C
B.Tech. (IV Year)



Vasanth C
B.Tech. (IV Year)



Prassanna vignesh K
B.Tech. (IV Year)



Vasanth C
B.Tech. (IV Year)



Muthupalani N
B.Tech. (IV Year)

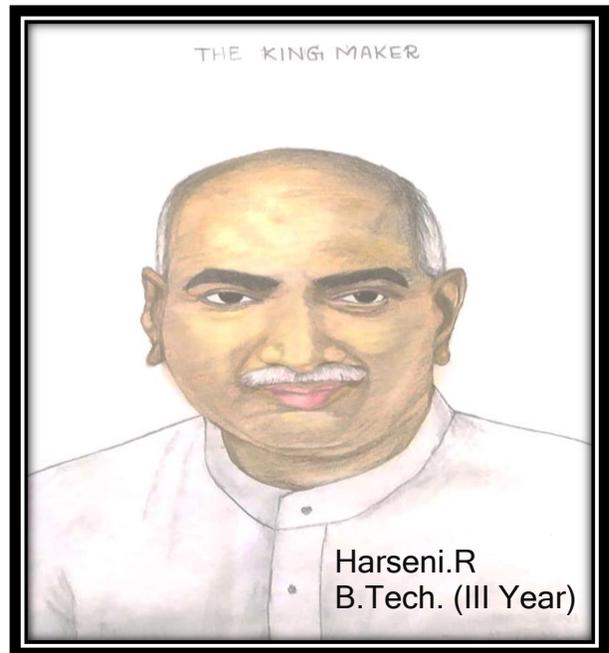
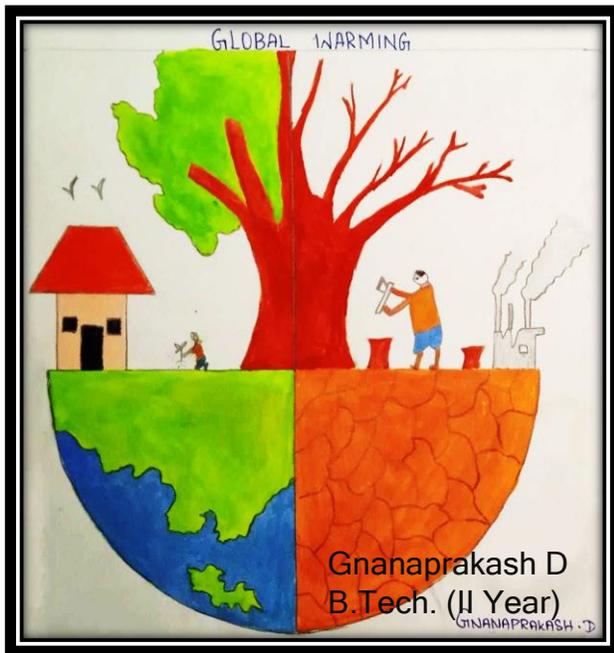
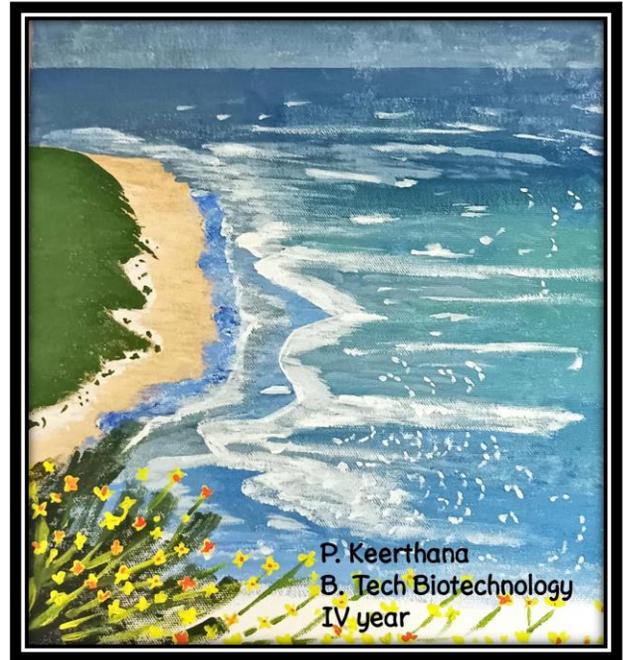
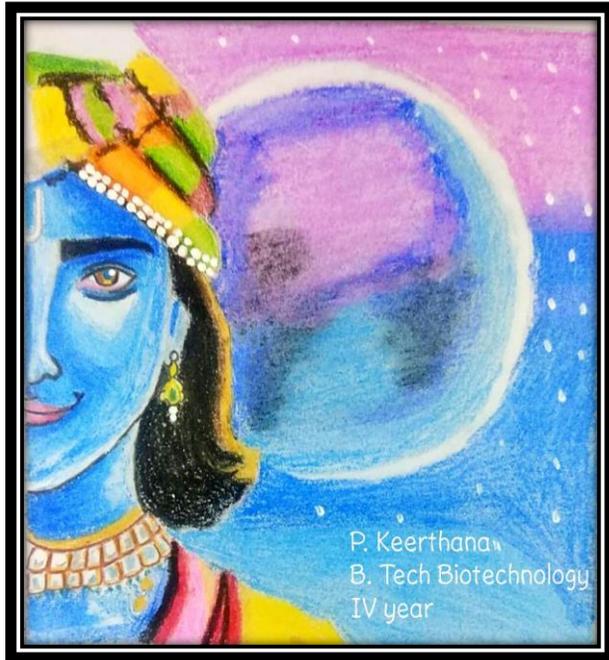


Muthuselvi S
B.Tech. (II Year)

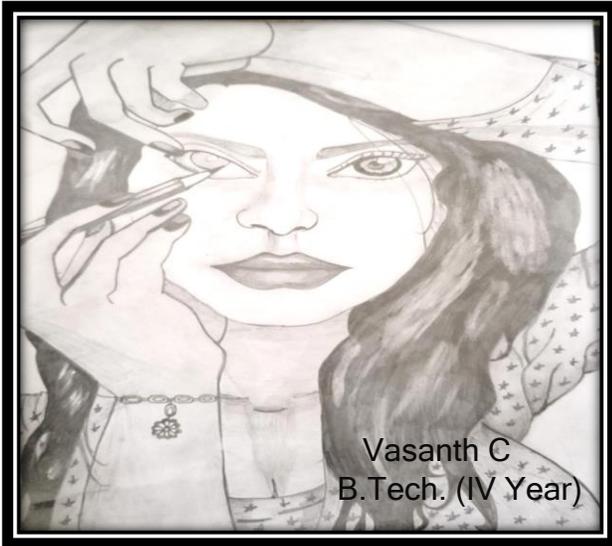


Saravanan A
B.Tech. (II Year)

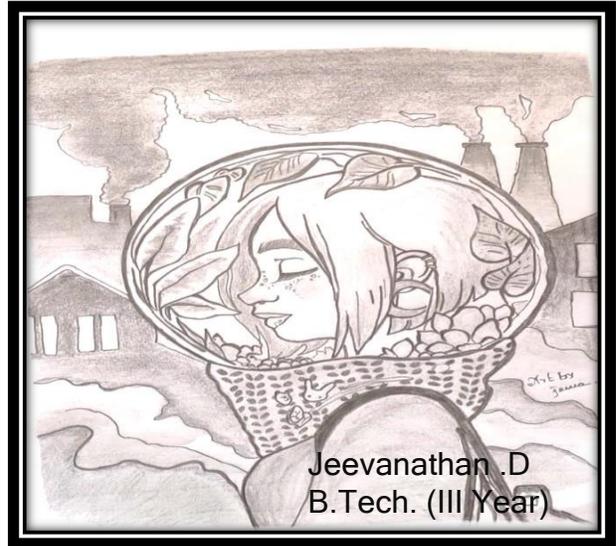
PAINTINGS



PENCIL ARTS



Vasanth C
B.Tech. (IV Year)



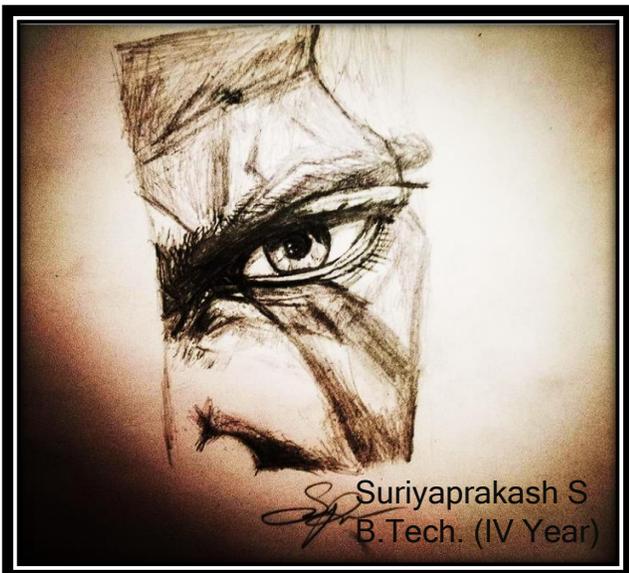
Jeevanathan .D
B.Tech. (III Year)



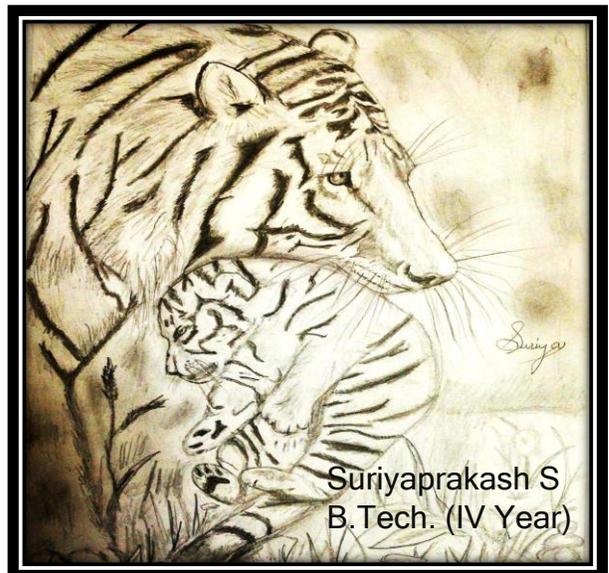
Jeevanathan .D
B.Tech. (III Year)



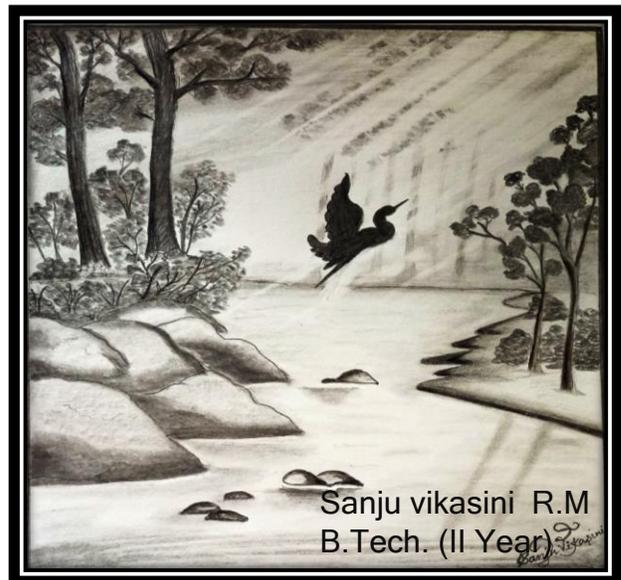
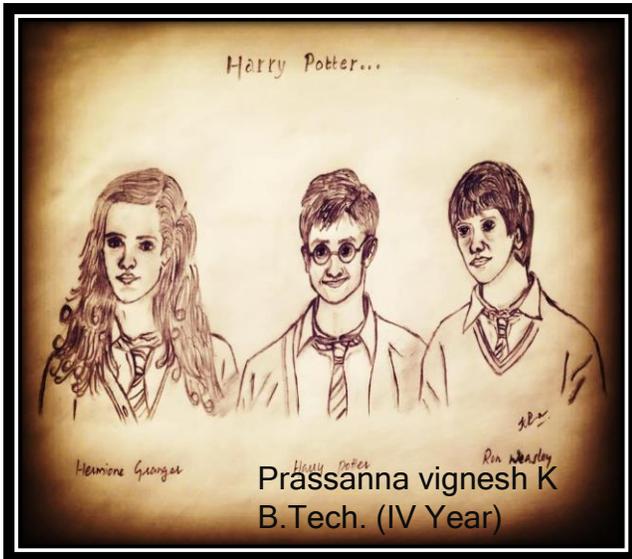
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B.Tech. (IV Year)

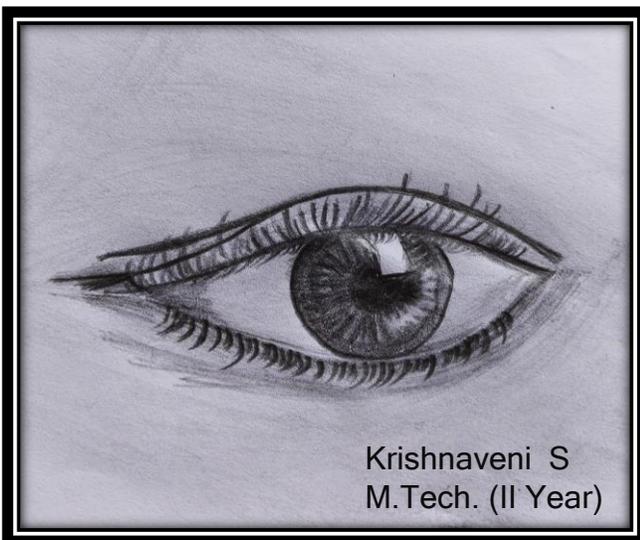
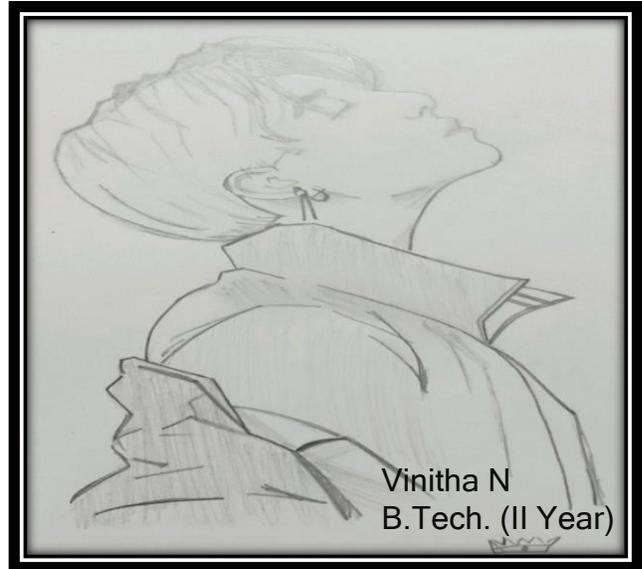
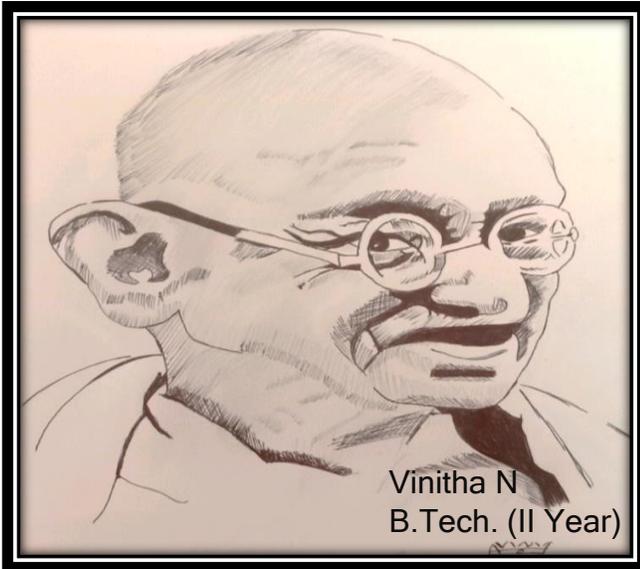


Suriyaprakash S
B.Tech. (IV Year)



Suriyaprakash S
B.Tech. (IV Year)





CRAFTS WORK



Gnanaprakash D
B.Tech. (II Year)



Thuslima Furveen J.S
B.Tech. (II Year)

NOVEL

A small excerpt from my novel “**The Story of My Life**” - Nithyashree M, B.Tech. (II Year)

New Horizon: Sky Meets Sea

I hurry down the aisle and almost collide with Mr. Steve. I look around and everyone is busy cleaning up the workplace.

"Where were you Nima?" Mr. Steve asks, checking out the sign up list in his laptop.

"Sorry Mr. Steve. I was stuck in the bathroom." I joke. Mr. Steve chuckles and shakes his head.

"So what's the status update?" I ask him.

"We have a team working on the clean up. A team at the east entrance to guide the students and parents into our warehouse. I've got the list of the signups. Everything is set like you've planned."

"That's good. I've already checked in with the east entrance team. Where are the other mentors?" I ask, checking around the place.

"At the workshop", Mr. Steve replies, going back to coding.

"Okay", I say, placing my bag at the usual spot. "Now let's get things completed."

I start setting up the laptop for the intro presentation while the mentors return from the workshop. An hour later a few students start coming in. I lead them into our warehouse and start the tour. As the first set gets cleared, I head out of the dungeon to grab some water.

On my way back I see a boy about my age, at the entrance of the warehouse, talking to one of my mentors. As I get closer I can spot that he is of Indian origin. There are no other Indians on our team other than me. He must be a newcomer too, I think. Just then the mentor walks away and the boy seems very confused. He is wearing a plain grey shirt with dark bluish overcoat and black track pants. He shoves his hands into his pockets and turns to look in my direction. I stop in front of him and start the conversation like how I do with all the other visitors.

"Hi! I'm the Outreach and Chairman's lead for 2220. Are you here for the orientation too?" I beam at him.

He looks at me quizzically then notices the team t-shirt I'm wearing and beams back "Yeah".

"Cool! What's your name?" I say reaching out my hand. He takes it and smiles, "Hi, I'm Sohan".

"Hi Sohan" I smile and give a firm shake. "You can call me Nima".

"Oh so it must be you who will be giving me a tour of your workstation." he says quizzically.

"The coach who came earlier told me so."

"Yep, that's me!" I laugh. "So are you ready for the exclusive one-on-one tour of the workplace of the number one team robotics team in the state?" I joke.

Sohan laughs "My pleasures!"

I lead him into the warehouse and on our way I notice him checking me out from the side of his eyes. Realizing that I caught him, he turns away perplexed. I bring him to a table and we take a seat next to each other. Taking out my presentation from the laptop, I give an intro on FIRST Robotics and 2220. After a few minutes of Q&A session, I finally give a tour of the warehouse and introduce him to the mentors & members. As he talks to them, I finally get to “see” him. He has wheatish well-toned skin and voluminous black shaded hair. His eyebrows are thick with brown eyes that twinkle under the ceiling light. As they finish up, I lead him out of the warehouse to the final leg of today's agenda which is the workshop.

“So are you new here? I haven’t seen you around at school.” I interrogate while walking back. Strolling along, he replies, “Yeah, I moved from North Carolina to Minnesota, a few weeks ago.” I feel bad for the poor boy who had to leave his friends and his old school. To change the topic, I ask,

“So what grade are you in?”

“10th grade”, he smiles.

“No way!” I jump back, not hiding the surprise on my face.

“You are from the same grade too?!” he exclaims in excitement like a kid who just won a lottery.

I laugh at his sudden outburst and comfort him to just contact me if he needs anything at school. He gives me a relieved smile and nods, “For sure, I will!”.

Time flies by very fast. As the night comes to an end, we have become very comfortable around each other. He appears to be very shy and introverted at first impression but is actually a very fun person to hang out with. Lastly I take him back to the warehouse where he signs up to join the team.

"Welcome to team 2220, Mr. Sohan", I smile and pat him on his shoulders as he completes his paperwork. After packing up, we head out of the building through the east entrance.

“As I am new here, I was worried about what I'm going to do. But after tonight I'm very much looking forward to this year!” He says, giving a sweet smile. "Thank you so much for the tour. You are so kind and patient!".

He has such a nice character. He seems to be the type who may not have a perfectly sculptured face but the one whose soul shines. "I'm happy you could make it to the team in the end." I smile.

"Yep", he smiles back.

Just then I notice a metallic blue Honda Civic enter the parking lot. "Make sure you are there for the team meeting this Saturday. I'll be heading out now." I say, pointing at my dad’s car.

"I'll be there!" he beams and waves goodbye.

I wave back at him and get onto the car. “Hey Dad! You are on time today!” I say, buckling my seat belt.

"How was today? Got any new members?" my dad asks, looking at Sohan who is still waiting near the door.

"It was great! So many talented members have joined the team." I say.

“That's a relief”, my dad says, starting the engine.

“He’s a newbie too. Sohan from North Carolina. Just moved to Eagan a few weeks ago and he goes to the same grade...” I explain.

“It seems like you have made a new friend!” my dad laughs as he speeds onto the road.

“Yeah”, I smile back.

Staring out of the window at the passing trees, I remember what Hans said last season when I got selected as the captain. "You need to lead the team to the World Championships, Nima. We should win the World Chairman's this year and get our name on the Hall of Fame. I have faith in you!"

"It's going to be an interesting and fun season." I whisper, determined to get 2220 on the Hall of Fame as the car blends into the dark night and in minutes we reach home.

POETRY IN TAMIL & ENGLISH

வெற்றியின் வீரமகளே

நிழல் போல மக்களை தொடர்ந்து வா
 எதிரிகள் மக்களை தாக்க முற்பட்டால்
 நீ அவர்களை தாக்கி அழித்து விடும்
 போரில் உன் உயிர் பிரிந்தாலும்
 உடல் மண்ணுக்கு உரமாக்கல்
 மீண்டும் எழுவாய் மரமாக
 வெயிலில் இருந்து மக்களை
 காக்கவே
 அடக்க முடியாதவர்களின்
 ஆட்டத்தினை அடக்க
 இன்னல்களை தாண்டி
 ஈகையுடன் போராடும்
 உன்னால் முடியும் ஊட்டி வளர்த்த
 உன் தாய்நாட்டின் காக்க.

- Krishnaveni S, M Tech. (II Year)

நட்புக்காக.....

கருவறையில் இருக்கும் அமைதியில்
 நட்பை தொடங்கி.....
 அன்பு காதல் பாசம்
 மகிழ்ச்சி துக்கம்
 வெற்றி தோல்வி
 எதிர்காலம் நிகழ்காலம்
 வருங்காலம் கடந்தகாலம்
 மறந்தது வாழ்வது
 என்றும் நம் வாழ்வின் அனைத்திலும்
 நம்மோடும் நம் நினைவுகளோடும்
 நிழலாய் இருப்பது
 நட்பு மட்டுமே....
 எவ்வாறு கண்களில் ஆரம்பித்து
 இதயத்தில் முடிவது காதலோ....
 அவ்வாறு இதயத்தில் ஆரம்பித்து
 இதயத்தையும் தாண்டி முடிவிலாதது
 நட்பே....
 சமர்ப்பணம்....
 எமது நட்புக்காக.....

-Gayathri RJ, B.Tech. (II Year)

நேரில் வந்து பார்க்காமல்,
நெஞ்சம் தழுவி பேசாமல்,
உன் நினைவுகளில் வாழும் நான்!
ஏனோ எனக்கு புரியவில்லை?
என் அன்பு உனக்கு புரியவில்லை!

-Nishanth V, B.Tech. (II Year)

என் சிந்தனையில் சித்தரித்தவளே
என் சிறு இதயத்தில் வித்தரித்தவளே!
என் பாதையில் சேர்ந்து
நடுவில் சென்றவளே!
உன்னை மறக்கா நொடியும்! நினைக்கா நிமிடமும்!
நித்தமடி எனக்கு!

-Nishanth V, B.Tech. (II Year)

பொன் வானம் மறைய

பிறைநிலா தோன்ற
புல்லினங்கள் வானில்
ரீங்காரமிட
வாழ்வில் இதுவரை சேர்த்த
மமதைகள் காணாச்செல்ல
இக்கண்ணில்லா குருடன்
கிளம்பினான்
வண்ணங்களைக் காண...!

-Hariprasath S, B.Tech. (II Year)

என் இனிய தன்மையை

கண்ணும் நுழைந்து
கனவை கழித்து
காணா தூரம் கூட்டிச் சென்றார்...!
வெண்மதியை வான்துளியில் காட்டி
மெல்ல மெல்ல வளியில் கரைத்து
கண்களை திறக்க செய்தாய்...!
பாதையில் சிதறிய கற்களை
முன்நின்று ஒதுக்கி
அல்வழி களை சீராக்கினாய்...!
காலமெல்லாம் காத்திருந்து
உன் கரங்கள் பிடித்து
இப்புவிையை கற்றிட வரம் தந்தார்...!

என் இனிய தனிமையில்...!

-Hariprasath S, B.Tech. (II Year)

காலம்

துண்டும் கையுமாக
 ஆற்றுக்கு குளிக்க
 சென்றார் தத்தா
 பேட்டும் கையுமாக
 ஆற்றுக்குள் விளையாட
 செல்கின்றான் அவர் பேரன்.

- *Yokeshwaran P, B.Tech. (III Year)*

YOU TOO HUMAN

"I am sorry for your loss",
 You mutter those all day long,
 With broken heart, tired eyes and exhausted soul,
 You risk all your life, trying to save at least one,
 But you found yourself in middle of it, when it already begun.

Those unspoken words with your family,
 Those sacrificed moments with yourself,
 Running all day long only to risk yourself.
 Too less you say, what you feel,
 Yet, miraculous are the deeds, you reveal.

You lost your mind, through the halls and rooms,
 Filled with suffering and haunting gloom.
 Now death too, is part of your game,
 Winning and losing it, will decide the fate of the remain.
 And you simply went on, what has to be done.
 You left yourself with sorrows and pain,
 but you don't complain.
 Those masks and people who beg you to save life,

Often hangouts in your dream.

And yet, you say nothing.

Or, for that too, do you have time?

Now you are the god, deciding who should live and die,

Don't you feel the burden,

Or, you chose to hide it behind the curtain,

I wonder, do you even have the memories of life?

I wonder, have you kept track of your time?

I wonder, have you ever fallen and shattered, for million times?

Only to collect your pieces, one by one.

Yet you didn't care to cover the scars and cracks.

Do you ever had the moment to cry?

Or to scream?

Or, that too was taken from you.

Now I ask you, what this world mean to you?

Do you know how to reply?

Or, for that too, do you have time?

And for every second you blink,

Does it feel like an eternity?

Only to bring you, good old memory.

But disappeared into reality

Now I ask you, do you have a wish?

Leaving your heart brutally broken.

Do you know how to ask?

Or, for that too, do you have time?

You lost all your strength to banish the death away.

And every time, when I hear you say,

“I am sorry for your loss”

I hear your voice drowning into the ocean of despair,

Knowing truth is hard and bitter,

Yet, it is not right to blame,

After all, you too human.

- Lakshmi V, B.Tech. (III Year)

With Thanks...

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