

# NEWS-LETTER

## Second Half 2021



**Dr. Aparna Bannore**  
**(HOD)**  
**Department of**  
**Computer Engineering**

## FROM THE HOD's DESK

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Department of Computer Engineering of SIES GST started in year 2002 offers undergraduate programme in Computer Science where students are exposed to concepts of computer engineering to motivate their humanities, innovation, creative and problem solving abilities, intellectual honest and professional ethics, and capacity for teamwork in interdisciplinary, national and international environment. The students are nurtured to become better professionals in their career.

**COMPUTER ENGINEERING DEPARTMENT**  
**SIES GRADUATE SCHOOL OF TECHNOLOGY, NERUL**  
**VOLUME 5 ISSUE 2**

## MISSION

- To Impart quality education to meet the professional challenges in the area of Computer Engineering.
- To create an environment for research, innovation, professional and social development.
- To nurture lifelong learning skills for achieving professional growth.
- To strengthen the alumni and industrial interaction for overall development of students.

## VISION

To be a centre of Excellence in Computer Engineering to fulfill the rapidly growing needs of the Society.



## Program Educational Objectives (PEOs)

- Practice Computer engineering in core and multi-disciplinary domains.
- Exhibit leadership skills for professional growth.
- Pursue higher studies for career advancement.

## Program Specific Outcomes (PSOs)

- To apply computational and logical skills to solve Computer engineering problems.
- To develop interdisciplinary skills and acquaint with cutting edge technologies in software industries

# FACULTY PROFILE

No	Name	Qualification	Designation	Area of Interest
1	Dr.Aparna Bannore	B.E(CSE) , M.E (CE), Ph. D	Associate Professor	Cyber security and Signature security.
2	Dr. Rizwana Shaikh	B.E(I.T), M.E(CE), Ph.D	Associate Professor	Cloud Computing and Security
3	Dr. Deepti Reddy	B.Tech, M.E (CE), Ph.D	Associate Professor	Semantic web, Intelligent Tutoring System, Engineering Education, Educational Technology.
4	Mrs. Prachi Shahane	B.E(CSE) ,M.E (CE), Ph. D*	Assistant Professor	Artificial Intelligence, Internet Of Things
5	Mrs. Suvarna Chaure	B.E(CSE),M.E (CE), Ph. D*	Assistant Professor	Security
6	Mr. Sunil K Punjabi	B.E, M.E (CE)	Assistant Professor	Software Engineering
7	Mrs. Pranita Mahajan	B.E(CSE), M.E (CE)	Assitant Professor	Natural language processing, Machine Learning, Data Analytics.
8	Dr. Varsha Patil	B.E, M.E (CE),Ph.D*	Assitant Professor	Image Processing, Data Mining, Machine Learning, Natural Language Processing

# FACULTY PROFILE

No	Name	Qualification	Designation	Area of Interest
10	Ms. Kalyani Pampattiwar	B.E. (CSE), M.E (CE), Ph. D*	Assistant Professor	Security, Data Mining
11	Ms. Namrata Patel	B.E., M.E (CE), Ph. D*	Assistant Professor	Web Mining
12	Ms. Kranti Bade	B.E.(IT), M.E(CSE)	Assistant Professor	Data Mining
13	Ms. Masooda Modak	B.Tech (IT), M.E (CE), Ph.D*	Assistant Professor	Learning Analytics, Data Mining, E-learning
14	Ms. Anindita A Khade	B.E, M.E (CE), Ph. D*	Assistant Professor	Machine Learning, Data Analytics, Data Mining
15	Ms. Aarshi Boyanapalli	B.E, M.E (CE), Ph. D*	Assistant Professor	Computer Network
16	Ms. Urvashi Patekar	B.E, MTech	Assistant Professor	Cyber Security and BlockChain
17	Ms. Gayatri Berde	B.E, M.E (CE)	Assistant Professor	Machine Learning, Data Mining

# NON TEACHING STAFF

No	Name
1.	Mr. Bhagyashal W.
2.	Mrs.Tanvi Todanker
3.	Mr. Srinivas B.
4.	Mr.Hanumant Kaki

# CLASS STRENGTH

Year	Total Strength	Girls	Boys
SE	138	40	98
TE	106	37	69
BE	107	43	64

# FACULTY ACHIEVEMENTS

## BOOK CHAPTERS/PATENTS/FUNDS

1. **Prof. Kalyani Pampattiwar**, Published a book chapter "**Challenges, opportunities & Applications of 5G network**".
2. **Prof. Ujwala Ravle and Preeti G.** received MRG from UoM of Rs 25,000/- for the project titled "**Real time flood monitoring and control system**".
3. **Prof. Prachi Shahane and Pranita M.** received MRG from UoM of Rs 25,000/- for the project titled "**Medical chatbot for Non-Communicable Disease Awareness and Prevention for Indian Rural Women**".
4. **Dr. Rajesh Kadu and Kranti Bade** received MRG from UoM of Rs 25,000/- for the project titled "**Smart water quality monitoring using IOT**".



# FACULTY ACHIEVEMENTS

## PAPERS PUBLICATIONS

1. Dr. Rizwana Shaikh, Presented paper on "**Gesture Keyboard for Deaf & Dumb**", Conference on Technologies for Future Cities (CTFC), October 2021.
2. Dr. Rizwana Shaikh, Published paper on "**E-commerce Website with Image Search and Price Prediction**", International Conference on Evolutionary Computing and Mobile Sustainable Networks Evolutionary Computing and Mobile Sustainable Networks ICECMSN-2021, 28-29, September 2021.
3. Dr. Rizwana Shaikh, Published paper on "**Blockchain-based Crowdfunding Decentralized Application**", GIS Science Journal, Volume 8, Issue 7, July 2021.
4. Dr. Rizwana Shaikh, Published paper on "**Face Mask Detection and Comparison between Different Image Classification Algorithms**", International Journal of All Research Education and Scientific Methods (IJARESM), Volume 9, Issue 9, September -2021.

# FACULTY ACHIEVEMENTS

## PAPERS PUBLICATIONS

5. Prof. Suvarna Chaure, Published paper "**Malicious URL detection using Machine learning**", in IJREAM, Nov 2021.
6. Prof. Ujwala Ravle, Published paper on "**Breast Cancer Prediction using Machine Learning Algorithm**", IEEE, Dec 2021.
7. Prof. Kalyani Pampattiwar, Published paper on "**Decentralized EHR Storage Using Blockchain**", ECS Transactions, Scopus Indexed, In press, Nov 2021.
8. Prof. Kalyani Pampattiwar, Published paper on "**Image Deblurring for CCTV Captured Images of Fast Moving Vehicles**", ISPDA 2021,SVNIT, Surat, Security, Privacy and Data Analytics, Springer, In press, Nov 2021.
9. Prof. Namrata Patel ,Dr. Varsha Patil and Prof. Kranti Bade, Published paper on "**An IoT-Based Efficient Way of Monitoring Food Quality Management**", dec 2021.

# FACULTY ACHIEVEMENTS

## PAPERS PUBLICATIONS

10. Prof. Masooda Modak, Published paper on "**Recognition system for emotions from human speech**", IEEE, Nov 2021
11. Prof. Anindita Khade, Published paper on "**A Comparative Analysis of Applied AI Techniques for an Early Prediction of Chronic Kidney Disease**", IEEE, Nov 2021.
12. Prof. Anindita Khade, Published paper on "**Tamil Language Handwritten Document Digitization and Analysis of the Impact of Data Augmentation Using Generative Adversarial Networks (GANs) on the Accuracy of CNN Model**", Springer, Dec 2021.
13. Prof. Anindita Khade, Published paper on "**Diskless Booting: A Hybrid Computing Technology**", Springer, Dec 2021.
14. Prof. Anindita Khade , Published paper on "**Detecting COPD using Convolutional Neural Network-I**", JREAM, Oct 2021.

# STUDENT DEVELOPMENT PROGRAM (SDP)

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1. Department has organized, **“Workshop on IoT”**, 7-Aug-2021, for SE and TE Students.
2. Department has organized, **“Workshop on Flask Web Development”**, 14-Aug-2021, for SE, TE students.
3. Department has organized, **“Seminar Preparing for GATE 2022”**, 21-Aug -2021, for BE students.
4. Department has organized, **“Webinar on Tools for Cyber Security for Youth”**, 11- Sep-2021, for TE and BE students.
5. Department has organized, **“Workshop on DevOps”**, 25-Sep-2021, for SE, TE, BE students.
6. Department has organized, **“Technical Paper Reading Session”**, 27-July-2021, for TE and BE students.
7. Department has organized, **“Dynamic Programming”**, 31-July-2021, for TE and SE students.

# STUDENT DEVELOPMENT PROGRAM (SDP)

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8. Department has organized , Value added course on **"Blockchain Technology with internship Apportunities"**,13-18 Dec-2021, for TE and BE students, by resource person 1. Revanth Kumar, Corporate Educator and Learning Consultant. 2. Mr. Prasad G, TCS.

# FACULTY DEVELOPMENT PROGRAM (FDP)

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1. Department has organized, **Faculty Development Program** on **“data Science”**, 4-Sep-2021, by Industry Expert Mr. Subramanian Neelkandan, Founder, Impactsure, **total 34** **faculties from all department attended the same.**

# FDP Attended by Faculty

<b><u>Sr.No</u></b>	<b>Name of the faculty</b>	<b>Name of the FDP</b>	<b>FDP Duration</b>
1	<b>Dr. Rizwana Shaikh</b>	Attended ATAL FDP on "Blockchain"	SH 2021
2	<b>Dr. Rizwana Shaikh</b>	Attended NVIDIA course on "Fundamentals of Deep Learning"	SH 2021
3	<b>Dr. Rizwana Shaikh</b>	Attended STTP on "Data Science and Visualisation"	SH 2021
4	<b>Dr. Rizwana Shaikh</b>	Attended STTP on "Univrsal Human Values"	SH 2021
5	<b>varsha patil</b>	Attended NVIDIA course on "Fundamentals of Deep Learning"	SH 2021
6	<b>varsha patil</b>	Attended STTP on "Data Science and Visualisation"	SH 2021

# FDP Attended by Faculty

<b><u>Sr.No</u></b>	<b>Name of the faculty</b>	<b>Name of the FDP</b>	<b>FDP Duration</b>
7	<b>Prachi Shahane</b>	Attended - NPTEL course on "Data Science for Engineers"	SH 2021
8	<b>Prachi Shahane</b>	Attended FDP on "Natural Language Processing"	SH 2021
9	<b>Prachi Shahane</b>	Attended STTP on "Cyber Threat Intelligence and Digital Forensics" at SVNIT, Surat	SH 2021
10	<b>Prachi Shahane</b>	Attended NVIDIA course on "Fundamentals of Deep Learning"	SH 2021
11	<b>Prachi Shahane</b>	Attended FDP on "Emerging Paradigms in Artificial Intelligence and Data Science"	SH 2021
12	<b>Suvarna Chaure</b>	Attended STTP on "Data Science and Visualisation"	SH 2021



# FDP Attended by Faculty

<b>Sr.No</b>	<b>Name of the faculty</b>	<b>Name of the FDP</b>	<b>FDP Duration</b>
13	<b>Suvarna Chaure</b>	Attended STTP on " Cyber Threat Intelligence and Digital Forensics" at SVNIT, Surat	SH 2021
14	<b>Suvarna Chaure</b>	Presented poster on " Virtual Reality modern innovative technique foreducation" in Symposium on Innovative Teachin Learning in Eduvation	SH 2021
15	<b>Suvarna Chaure</b>	Attended NPTEL course on " Data Science for Engineers"	SH 2021
16	<b>Suvarna Chaure</b>	Attended NVIDIA course on " Fundamentals of Deep Learning"	SH 2021
17	<b>Sunil K Punjabi</b>	Attended STTP on "Data Science and Visualisation"	SH 2021
18	<b>Sunil K Punjabi</b>	Attended 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education(AICTE) from 5 July, 2021 to 9 July, 2021	SH 2021

# FDP Attended by Faculty

<b><u>Sr.No</u></b>	<b>Name of the faculty</b>	<b>Name of the FDP</b>	<b>FDP Duration</b>
19	<b>Sunil K Punjabi</b>	Attended NVIDIA course on "Fundamentals of Deep Learning"	SH 2021
20	<b>Sunil K Punjabi</b>	Attended FDP on "Artificial Intelligence in Healthcare" from 27/09/2021 to 01/10/2021 at Gauhati University Institute of Science and Technology.	SH 2021
21	<b>Sunil K Punjabi</b>	Attended FDP on "Natural Language Processing"	SH 2021
22	<b>Ujwala Ravale</b>	Attended STTP on Data Science and Visualisation	SH 2021
23	<b>Ujwala Ravale</b>	Attended AICETE ISTE Refresher Program on Cyber Security & Risk	SH 2021
24	<b>Ujwala Ravale</b>	Attended Impact Lecture Series On Innovation, Enterprenurship and Funding	SH 2021

# FDP Attended by Faculty

<b><u>Sr.No</u></b>	<b>Name of the faculty</b>	<b>Name of the FDP</b>	<b>FDP Duration</b>
25	<b>Ujwala Ravale</b>	Attended NVIDIA course on " Fundamentals of Deep Learning"	SH 2021
26	<b>Ujwala Ravale</b>	Attended NPTEL course on " Data Science for Engineers"	SH 2021
27	<b>Kalyani Pampattiwar</b>	Attended NVIDIA course on " Fundamentals of Deep Learning"	SH 2021
28	<b>Kalyani Pampattiwar</b>	Attended FDP on Data Science and Artificial Intelligence	SH 2021
29	<b>Kalyani Pampattiwar</b>	Attended STTP on Data Science and Visualisation	SH 2021
30	<b>Kalyani Pampattiwar</b>	Attended FDP on cyber physical systems	SH 2021

# FDP Attended by Faculty

<b>Sr.No</b>	<b>Name of the faculty</b>	<b>Name of the FDP</b>	<b>FDP Duration</b>
31	<b>Kalyani Pampattiwar</b>	Attended STTP on "IPR-Copyright and Patenting"	SH 2021
32	<b>Kalyani Pampattiwar</b>	Attended ATAL FDP on Blockchain	SH 2021
33	<b>Namrata Patel</b>	Attended ATAL FDP on "Blockchain"	SH 2021
34	<b>Namrata Patel</b>	Attended ATAL FDP on "Blockchain"	SH 2021
35	<b>Namrata Patel</b>	Attended NVIDIA course on "Fundamentals of Deep Learning"	SH 2021
36	<b>Namrata Patel</b>	Attended STTP on "IPR-Copyright and Patenting"	SH 2021

# FDP Attended by Faculty

<b><u>Sr.No</u></b>	<b>Name of the faculty</b>	<b>Name of the FDP</b>	<b>FDP Duration</b>
37	<b>kranti bade</b>	Attended STTP on "Data Science and Visualisation"	SH 2021
38	<b>Masooda Modak</b>	Attended NVIDIA course on "Fundamentals of Deep Learning"	SH 2021
39	<b>Masooda Modak</b>	Attended STTP on "Data Science and Visualisation"	SH 2021
40	<b>Masooda Modak</b>	Attended FDP on "Cyber Physical System"	SH 2021
41	<b>Masooda Modak</b>	Attended FDP on "Data Science and Artificial Intelligence"	SH 2021
42	<b>Masooda Modak</b>	Attended ATAL FDP on "AI"	SH 2021

# FDP Attended by Faculty

<b><u>Sr.No</u></b>	<b>Name of the faculty</b>	<b>Name of the FDP</b>	<b>FDP Duration</b>
43	<b>Masooda Modak</b>	Attended Workshop on "EXAM REFORMS"	SH 2021
44	<b>Anindita Khade</b>	Attended NVIDIA course on "Fundamentals of Deep Learning"	SH 2021
45	<b>Anindita Khade</b>	Attended STTP on Data Science and Visualisation	SH 2021
46	<b>Anindita Khade</b>	Attended FDP on Cyber Risk and Security	SH 2021
47	<b>Mrs.Aarthi Boyanapalli</b>	Attended NVIDIA course on "Fundamentals of Deep Learning"	SH 2021
48	<b>Mrs.Aarthi Boyanapalli</b>	Attended STTP on "Data Science and Visualisation"	SH 2021

# STUDENT ACHIEVEMENTS

<u>Sr.No</u>	Name of the student	Name of the achievement	SE/TE/BE
1	<b>Ganeshan P A Nainar</b>	<b>Winners in Promethean 2021</b>	<b>SE</b>
	<b>Bhakti Ghude</b>		
	<b>Jutika Patil</b>		
	<b>Mayank Iyerr</b>		
2	<b>Nuha Modak</b>	<b>Winners in Technopreneur 2021</b>	<b>SE</b>
	<b>Varun Ganesh Sondur</b>		
3	<b>Varun Ganesh Sondur</b>	<b>Participated in SQUABBLE</b>	<b>SE</b>
4	<b>Anirudh Belwadi</b>	<b>Bagged "Best Project to solve a big AEC problem" award in AEC Hackathon, Copenhagen, Denmark</b>	<b>BE</b>
5	<b>Shabarish Ramaswamy</b>	<b>EOC STC - Second Prize</b>	<b>BE</b>
6	<b>Sanskar Unkule</b>	<b>Deep Blue</b>	<b>SE</b>

# STUDENT ACHIEVEMENTS

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<b><u>Sr.No</u></b>	<b>Name of the student</b>	<b>Name of the achievement</b>	<b>SE/TE/BE</b>
<b>7</b>	<b>Shashank Deep</b>	<b>Deep Blue</b>	<b>SE</b>
<b>8</b>	<b>Raunak Garud</b>	<b>Deep Blue</b>	<b>SE</b>
<b>9</b>	<b>Sanika Patil</b>	<b>Deep Blue</b>	<b>SE</b>
<b>10</b>	<b>Komal Singh,Prapthi Shetty</b>	<b>Anveshna</b>	<b>SE</b>



# INTERNSHIP & PLACEMENTS

## INTERNSHIPS

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Students are always proactively participating in the online and offline internship programs. College also provides internship opportunities through various student development programs on recent technologies. SE and TE students participate in such SDPs .

Internship is provided on Software Design Skills, **Blockchain Technology, Network Security & Ethical Hacking, Advanced HTML and Web Technology, Data Science Using R, Advanced C Programming, Web Development Technologies, Modelling Robot Kinematics**

Students have completed internship program from various government as well as private organization like Cloud Counselage Pvt. Ltd., Smart bridge, DXC Technology, Denkali, LM UX Innovates, Indian Oil Corporation, KPMG.

# INTERNSHIP & PLACEMENTS

## PLACEMENTS

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Computer department placement is consistently good. Students are placed in various esteemed companies. Their selection is through **aptitude test, programming test, group discussion and technical interviews.**

In this **academic year 2021-2022**, students are placed in companies like **ConnectWise, Reliance jio, Zeus learning, Link-group, NewGen Technologies, LTI, TCS, CAPGEMINI, TECH Mahindra, Wipro, Codearray, GEP, NSEIT, Ugam Solutions, Evosys, XORIAN, HEXAWARE, PERKIN ELMAR, Neosoft, Quinnox, Ideaforge, INFOSYS, Xoriant, HDFC, CRMNext, Acty Systems, Selec Controls Pvt. Ltd, Quinnox Consultancy, Zensar, PerkinElmer, Kotak Life , Survey Sparrow, Impact sure, FYNDNA, CitiusTech, Deloitte India, ICICI Prudential , Scientist Technologies, Accelya, etc.**

# INTERNSHIP & PLACEMENTS

## PLACEMENTS

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Sr. No	Batch	Total strength	Eligible	Placed
SH 2021	Batch 2022 passout	107	94	50

# STUDENT TOPPERS



## S.E. – SECOND HALF 2021 ( Semester III )



### Overall Toppers

Sem	Rank	Name of the Student	Roll No	Percentage/ CGPI	Pointer	Sem
III	1	MANE SAMIKSHA SHARAD POOJA	120A1051	706/775	10	III
III	2	UNKULE SANSKAR SANDEEP SHEETAL	120A1118	705/775	10	III
III	3	SHETTY SPOORTI RAJAT SUPREETHA	120A1103	704/775	10	III

# STUDENT TOPPERS

## S.E. – SECOND HALF 2021 ( Semester III )

### SUBJECT TOPPERS

Sem	Name of the Student	Subject	Percentage/ CGPI	
III	CHAUDHARI NIKITA DNYANESH JYOTI	Engineering Mathematics - III	100	
	DENGLE ROHAN RAMESH MEDHA		100	
	JADHAV MADHAVI JAGANNATH SHEELA		100	
	K DINESH RAJA T KANTHAN KUMAR SUDHA		100	
	KATHPALIA NISHANT TARUN HARSHA		100	
	MAHALAXMI KARTHESAN K. PONNUTHAI		100	
	NADAR ISHITA CHELLAPANDIAN SUMATHI		100	
	PATIL AJINKYA MANOJ MADHURI		100	
	REDDY HITESH RAJESH SUMATHI		100	
	ROHAN JAINARAYAN DOBARKAR RAJESHWARI		100	
	S RAMPRAKASH KALKI		100	
	BADKUL SAMYAK MANOJ SARITA		100	
	SHETTY SPOORTI RAJAT SUPREETHA		100	
	SHINDE SAURABH RAJENDRA SUMAN		100	
	SINGH DURGESH SANJEEVKUMAR SUMAN		100	
	SINGH SIDDHANT ARVIND KANAK		100	
SWAMY SOHAMM DHANANJAY NISHTHA	100			
WANI BHAVIKA SANJIV SANJANA	100			
III	PILLAI SURYA ASHOKKUMAR SHANTHI RAUNAK GURUD KARUNA	Data Structure	94	
	III	MAURYA ADITI DUSHYANT VIDHI JADHAV MADHAVI JAGANNATH SHEELA CHAUDHARI VISHAKHA BHASKAR MINAKSHI MAHALAXMI KARTHESAN K. PONNUTHAI	Digital Logic & Computer Architecture	92
III		SHETTY DEVESH DINESH SUBITA	Computer Graphics	94

## T. E. - SECOND HALF 2021 ( Semester V )

### Overall Toppers

Sem	Rank	Name of the Student	Roll No	Percentage /CGPI	Pointer
V	1	SRUTHI PANKAJAKSHAN	119A1087	691/775	10
V	2	RISHIKESH VAIBHAV GHARAT	119A1063	690/775	10
V	3	SRUTHISRI VENKATESWARAN	119A1088	684/775	9.87

### SUBJECT TOPPERS

Sem	Rank	Name of the Student	Subject	Percentage/CGPI
V	1	SRUTHISRI VENKATESWARAN	Theoretical Computer Science	95
		SNEHA SHAJI		95
		VAISHNAVI ANANDAKRISHNAN		95
V	1	SRUTHI PANKAJAKSHAN	Software Engineering	90
		BAWASKAR ESHA PRATIM		90
		DALVI SANDESH SANTOSH		90
V	1	BAWASKAR ESHA PRATIM	Computer Network	90
		MANOJ INBARAJAN		90
V	1	THETE PRATIK BALASAHEB	Data Warehousing & Mining	95
V	1	VAISHNAVI ANANDAKRISHNAN	Advanced Database Management System	83
V	1	Deshmukh Minoti	Internet Programming	93
V	1	SRUTHISRI VENKATESWARAN	Probabilistic Graphical Model	89

## B.E.-SECOND HALF 2021 ( Semester VII )

### Overall Toppers

Sem	Rank	Name of the Student	Roll No	Percentage/CGPI	Pointer	Sem
VII	1	Akashsai Rajaram	118A1005	677/750	10	VII
VII	2	Bheke Ruchi	118A1015	665/750	10	VII
VII	3	Zainab Bubare	118A1017	660/750	10	VII

### SUBJECT TOPPERS

Sem	Rank	Name of the Student	Ssubject	Percentage /CGPI
VII	1	C R Abubakkar	Digital Signal & Image Processingg	94
VII	1	SANGEETH ARUN	Mobile Communication & Computing	93
VII	1	Akashsai Rajaram	Artificial Intelligence & Soft Computing	94
VII	1	Bheke Ruchi	Big Data Analytics	90
VII	1	ADITYA SADASHIV	Advance System Security & Digital Forensic	77
VII	1	Mahadik Sakshi	Product Lifecycle Management	89
VII	1	Akashsai Rajaram	Cyber Security & Laws	94
VII	1	Iyer Anirudha	Disaster Management & Mitigation Measures	90
VII	1	sharan Murali	Management Information System	89
VII	1	Krishna Surya	Opeation Research	80

## Student Article

### Words to your Imagination

**Editor: Saahil Shaikh-SE-CE**

The need for design in every subject is evident in daily life. Although people may quote “Don’t judge a book by its cover”, they tend to pick something up mostly based on its appearance. So it has become a norm to make things prettier, be it an application or a website, be it the cover of a book or a banner. Human imagination having no boundaries, a variety of trendy and stunning designs are created but everyone doesn’t possess such skills and also creating high level designs is pretty time consuming.

So the AI being developed recurrently can generate such high level designs almost immediately. Surprisingly the only thing you need to provide is your imagination in words and your thoughts may become a wonderful array of pixels in no time. This in turn helps the AI to further expand its view and gain experience to create more such intricate designs. This has become the latest trend in the market and this helps designers develop applications and other stuff using designs never seen before. This requires no knowledge about any complex designing software's, all that you need is knack for words that precisely expresses your thoughts. The underlying principle behind this is generative adversarial networks (GAN) which are a class of deep neural networks that are used for unsupervised machine learning. This technology is never ending and only gets better day by day.

#### **Examples:**

- Shutterstock
- Stable Diffusion
- Midjourney
- Night Cafe
- Deep Dream Generator
- Artbreeder
- DeepAI



## Student Article

### **Applications:**

#### **Websites:-**

Rather than sitting and designing the whole process using css and other frameworks, the designs and icons can be created using AI. The traditional method of creating icons using Adobe softwares can be overcome, making it easier than ever and time efficient.

#### **Applications:-**

A mobile application requires a lot of components like scrollbar, widgets, recycler etc which all need to be manually designed. All this tedious work can essentially be quickly resolved with the help of AI, which basically is quite significant.

#### **Image Analysis:-**

The Images created using AI can be further refined using more specific terms related to your requirements. Multiple AI images can be converted to a wireframe and combined to further improve your work which can be refined to new heights.

# EDITORIAL BOARD



**Prof. Reshma R Koli**

## ***Editorial Board:***

- **Dr. Aparna Bannore [HoD]**
- **Mrs. Reshma Koli**
- **Students Member: Mst.Ganeshraman Pillai**

Editorial board is glad to release the current issue of our Department Newsletter Dec 2021. We appreciate the efforts taken by the editorial board in compiling useful information & activities by department. The contribution and dedication of faculty members, students is continuously helping the newsletter in stepwise manner for achieving new milestone. Newsletter divulge that the department is trying hard to achieve various dimensions such as academic, co-curricular and extra co-curricular activities.