



## The Editorial Board

-Beckoning Creati'wit'y



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# TRESIA

*Transit Excellence*



**Tête-à-tête**

**WITH**

Prof. (Dr.) P. Nagabhusan

Director, IIIT Allahabad



Faculty Advisor

Dr. S. N. SINGH

Madan Mohan  
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## Message from The Editorial Board

“Let yourself be drawn by the stronger pull of that which  
you truly love.”

- Rumi

The light rain shower gently greeted the lush verdure, marking the transitional phase from winters to summers. The warm breeze has stepped mellowly in the meadows and brightly colored, scented flowers have proliferated rapidly in the fields. The trees are quiescent under the burnished sun, and embellished with pulpy and ripe fruits. Standing bare footed under the daylight, amidst the long thorns, let us hop higher and aim towards the sky. As the colors of Holi blend us all together in similar faces, let us conjoin our diverse spirits for a good cause.

The University witnessed a commemorative event on the eve of Christmas, that is, **Alumni Meet** from December 25, 2019 to December 26, 2019. It was a grand two-day event marked by flamboyant performances and statuesque personalities, where all our respected alumni got a chance to gather under a single roof after many years only to celebrate the years they had spent together and also to guide the students of the college towards the most effective strategies of career-building. The most awaited and lively occasion was our four-day art, literary and cultural fest **Abhyudaya '20** that was conducted from February 28, 2020 to March 02, 2020 respectively, in which the students took up the gauntlet and hit it out with bells on. The fest pedestalled the nascent talents from various realms like singing, dancing, dramatics, arts and literature, also providing the students with a putation of their potential. It instilled fervor, enthusiasm and liveliness in the students and transformed the aura of the campus by providing it a festive ambiance.

When you fail in bringing off your plans and your strategies come undone, when you can see no way out of the tunnel of despair, sit back, hope against hope and hustle against hustle. Elicit the mountain of incentive from your vestigial times of coup and embark on rebuilding these, through persistent efforts. Only when you know what failure is, learn to embrace the conquest gracefully. So, accede, roll the dice and transcend the finish line ribbon in the race of success. With this message and best wishes for a great new year ahead, **The Editorial Board**, presents before you its February issue of **Tiresia**.



### Faculty Advisor

Dr. S. N. SINGH

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## Message from our Faculty Advisor

“What a teacher is, is more important than what he teaches.”

- Karl Menninger

The month of February began with academic activities as well as sports activities. It encompasses in its fold, the sports plethora as well as the visits of many celebrated academicians in various departments of the University. Prof. Martin Warnier from Netherlands, came and interacted with students. In the same chain another renowned professor from Stanford University, Er. Anshuman Tripathi came and had overwhelming interactions with students and faculty members of Humanities and Management Sciences Department. Prof. O. P. Alok, North Dakota State University, U.S.A. paid a visit to the Humanities and Management Sciences Department and he had a very productive round of faculty interaction.

On February 9, 2020 and February 10, 2020 we had Annual Sports Meet. February 20, 2020 was a great day, when Hon'ble Chief Minister of the Uttar Pradesh Yogi Adityanath ji, paid a visit to inaugurate a lot many projects of construction in the University including Sahid Bandhu Singh Stadium located in the heart of the campus.

The closing of the month was marked by the visit of Hon'ble Member of Parliament, Gorakhpur, Mr. Ravi Kishan. He not only inaugurated the art, literary and cultural extravaganza - **Abhyudaya**, but also interacted with the students and sensitised them by sharing his dreams and visions. We noticed another



feather in the cap of University when N.B.A. accreditation was granted to the Mechanical Engineering Department.

The whole month was vibrant and it was filled with many social, cultural, technical and sports activities. We all witnessed International Women's Day and the festival of colors 'Holi' in the month of March. Throughout the month of February, we had ample of activities going in our campus. **The Editorial Board**, comes here with the huge of all these activities enfolded in its breast the e-zine of **Tiresia**. I as editor-in-chief, congratulate all those who are responsible for this successful publication, kudos to their efforts and we wish that they will be coming with many more **Tiresia** in the coming months.

Best wishes

Dr. S. N. Singh

Faculty Advisor,

**The Editorial Board**

Madan Mohan Malaviya University  
of Technology, Gorakhpur



# Tête-à-tête

WITH

## Prof. P. Nagabhushan

**P**rof. (Dr.) **P. Nagabhushan** is director at the Indian Institute of Information Technology (IIIT), Allahabad. He has served as the Chief Nodal Officer (2011-17) at University of Mysore, as director of the Planning, Monitoring and Evaluation Board (2009-10), University of Mysore and as the principal (2010-11) at Bangalore Technological Institute (BTI), Bangalore. He has received Lifetime Achievement Award for outstanding achievement, global leadership and dedicated service to the field of Image Processing and Pattern Recognition and also has been National Merit Scholar throughout his graduation life.

He has worked as investigator in major projects funded by DRDO and MHRD. In his career, he has been associated with many top educational institutions and with all his experience, is currently working for the upliftment of the prevailing scenario of our educational system by contributing through his service in one of the topmost national institutes, IIIT Allahabad. **The Editorial Board** got the chance to interact with him.



### 1. Describe your student life.

My father was very instrumental during my student life. He taught us to be regular in our studies. I would never study before the exam. I would rather go on a movie. But I would study all the year round. What I am trying to tell is that studying just before the examination is meaningless. You are just fooling yourself. The best part of my life was during my B.E. where I always used to be ahead of my teachers. My message for everyone is that studying only during exams is not getting hold onto the subject. The depth of a subject cannot be measured just by solving the old question papers.

### 2. What were the incidents that inspired you to reach this stage?

My bad teachers were my biggest source

of inspiration. Like any engineering college, I also had very incompetent teachers. This was prompting me to join an academic profession. My interest was in the field of research. I would have easily joined a research lab or become a scientist, but I wanted to interact with young people like you. In fact, I feel that my students are my teachers because they have so many vibrant ideas that make me think in different directions.

### 3. There has been a lack of practical knowledge in our country. What steps can be taken to improve this situation?

When we were small, we were so inquisitive and eager to learn new things. Unfortunately, these qualities fade away with time. We become

more inclined towards cracking a particular examination. Moreover, our parents and society make us believe that entering a good college is the ultimate aim of life. There we stop learning and start preparing because result becomes more important than knowledge. Hence, lecture-oriented classes become more important. People always pass theoretical exams with plenty of marks but struggle to score in their practicals.

I find it very peculiar that our education system has also provided a syllabus for practicals. They should emerge from the theory itself. Therefore, I strongly recommend that this monologic lecture system of classrooms should be replaced by dialogues and discussions between the students and teachers. Practical must aim on verifying or testing a theory and not just on completing a predefined syllabus. At IIT Allahabad, we have minimized the lectures, and are focusing more on the tutorials and practicals. Our system must teach us through demonstrations, creativity and not through theory. So, when you get older, you should take it as your responsibility to implement these things in your life.

#### **4. Should 75% attendance rule be compulsory in colleges?**

According to me, calling someone for 75% attendance is useless. What must be focused upon is learning, which can be done either at home or in class. So, making attendance a criteria to appear in the exam has no significance. The student will automatically attend a class if

he finds it fruitful enough.

#### **5. How do you manage your busy schedule?**

I take 8 hours of sleep daily and avoid working on Sundays. I also advice my daughter to do the same. Try reading books, go for an outing or a movie but do take a break. These things bring a change in my life. We all have enough time; it is just a matter of managing the things properly.

#### **6. How should the students keep themselves motivated in such a competitive environment?**

I think students should never feel disappointed. Getting good grades in some stupid examination is insignificant. Your foundation should be strong. This would help you to solve any problem in life. Your salary never matters, what matters is your work. Even after your retirement, people should remember you. Learn to be critically creative as well as creatively critical. Never compare yourself with others.

# Campus Buzz

1. **Matrix '19** was conducted by the **Computer Engineering Society (CES)** from November 2, 2019 to November 3, 2019.
2. A photoshoot session was held for all the senior year students in different departments of the University by **The Editorial Board** on November 14, 2019.
3. The International Conference on Energy, Environment and Material Science was organised by the University, from December 1, 2019 to December 3, 2019.
4. A short-term course on smart energy system was conducted from December 17, 2019 to December 22, 2019.
5. The **Alumni Meet** was organised from December 25, 2019 to December 26, 2019.
6. **Malvika** was launched on December 25, 2019, by Hon'ble Vice Chancellor Prof. S. N. Singh and former C.S.A. Chairman Prof. Rakesh Kumar on the auspicious occasion of the Alumni Meet.
7. **Darpan** was launched on the occasion of Alumni Meet. It contains the contact details of our respected alumni from the silver jubilee batch.
8. **Pintura de Pilares** was organised by **Cultural Synod** on December 28, 2019 and December 29, 2019.
9. A blood donation camp was organised by the **National Service Scheme** on December 30, 2019.
10. The **Annual Debate Competition 2020** was conducted on December 29, 2019 and January 5, 2020 by **The Editorial Board**.
11. The classes on C and competitive programming were organised by the **Computer Engineering Society (CES)** from January 6, 2020 to January 20, 2020.

## GLIMPSES OF The Annual Debate Competition





# Campus Buzz

12. **Inception '20** was conducted successfully by the **Electronics and Communication Engineering Society (ECES)** on January 8, 2020.
13. **Dhishan** was conducted by the **Social Engineers' Board** from January 8, 2020 to January 10, 2020.
14. **SpellCzar** was conducted by **The Editorial Board** on January 19, 2020.
15. The **Electronics and Communication Engineering Society (ECES)** organised **Explora** from January 24, 2020 to January 26, 2020.
16. **The Editorial Board** conducted its induction from January 22, 2020 to January 25, 2020.
17. **Aayaas**, the Annual Sports Meet of the University was held on February 9, 2020 and February 10, 2020.
18. The teaser of the annual art, literary and cultural fest of the University, **Abhyudaya** was launched on February 6, 2020, by Hon'ble Municipal Commissioner of Gorakhpur Er. Anjani Kumar Singh and Hon'ble Vice Chancellor Prof. S. N. Singh.
19. The International Conference on Electrical and Electronics Engineering was organised by the University, from February 14, 2020 to February 15, 2020.
20. The month end was quite pleasing when the University witnessed the official opening ceremony of **Abhyudaya**, on February 29, 2020 in the auspicious presence of Hon'ble Member of Parliament of Gorakhpur, Mr. Ravi Kishan.
21. The art, literary and cultural extravaganza, **Abhyudaya**, was organised from February 28, 2020 to March 2, 2020.
22. The **Social Engineers' Board** organised a blood donation camp on March 5, 2020.

## GLIMPSES OF DHISHAN



# TECH inSIGHTS

Mail your answers at:  
[literaryedb@mmmut.ac.in](mailto:literaryedb@mmmut.ac.in)

## CHEMICAL ENGINEERING

Ammonia is absorbed into water from an air-ammonia mixture at 300 K and 1 atm. The individual film coefficients are  $K_L=6.3$  cm/hr and  $K_G=1.17$  kmol/m<sup>2</sup>-hr-atm. The equilibrium relationship for very dilute solutions of ammonia in water at 300 K and 1 atm is \_\_\_\_.

## CIVIL ENGINEERING

A cantilever beam of length 2 m with a square section of side length 0.1 m is loaded vertically at the free end. The vertical displacement at the free end equals to 5 mm. The beam is made of steel with Young's modulus of  $2.0 \times 10^{11}$  N/m<sup>2</sup>. The minimum bending stress at the fixed end of the cantilever is \_\_\_\_\_.

## COMPUTER SCIENCE AND ENGINEERING

What would be the output of following C program:

```
#include<stdio.h>
int main()
{
    int i=1024;
    for(;i>=1)
        printf("MMMUT");
    return 0;
}
```

## ELECTRONICS AND COMMUNICATION ENGINEERING

Assume that the circuit in the figure has reached the steady state before time  $t=0$  when the  $3 \Omega$  resistor suddenly burns out resulting in an open circuit. The current  $I$  (in amperes) at  $t=0^+$  is \_\_\_\_.

## INFORMATION TECHNOLOGY AND COMPUTER APPLICATION

```
#include<stdio.h>
void print(int arr[])
{
    int n = size(arr)/sizeof(arr[0]);
    int i;
    for(i=0; i<n; i++)
        printf("%d",arr[i]);
}

int main()
{
    int arr[]={1,2,3,4,5,6,7,8};
    print(arr);
    return 0;
}
```

## ELECTRICAL ENGINEERING

A 250V dc shunt machine has armature circuit resistance of  $0.6 \Omega$  and field circuit resistance of  $125 \Omega$ . The machine is connected to 250V supply mains. The motor is operated as a generator and then as a motor separately. The line current of the machine in both the cases is 50A. The ratio of the speed as a generator to the speed as a motor is \_\_\_\_.

## MECHANICAL ENGINEERING

Air enters an adiabatic nozzle at 300 kPa, 500 K with a velocity of 10 m/s. It leaves the nozzle at 100 kPa with a velocity of 180 m/s. The inlet area is  $80 \text{ cm}^2$ . The specific heat of air  $C_p$  is 1008 J/kgK. The exit temperature of the air is \_\_\_\_\_.

The winners of TECH inSIGHTS section **Tiresia** of Volume 11. Issue 1 are:

- Harsh Upadhyay-B. Tech (EE), Third Year
- Shradha Gupta-B. Tech (CSE), Second Year

Rest of the answers were either unsatisfactory or late entry.



# RAFALE : A GUST OF WIND

“Better to die fighting for freedom than be a prisoner all the days of your life.”

-Bob Marley

Finally it seems that India is done with clock watching as the much awaited Rafale aircrafts are eventually arriving in India. With the start of this millennial, the demand of a highly advanced and technically equipped fighter craft also begun, but it sounds amusing that the Earth completed twenty revolutions around the Sun whereas Rafale could not arrive from France to India. Most of the pre-existing fighter crafts are already outdated and on the verge of retirement. A report suggested that Indian Air Force needs at least forty five fighter squadrons comprising about two hundred additional medium fighter aircrafts for a two-front collusive threat. A lot of options were open for India but it went with the Rafale as it was a Dassault product and our forces were overwhelmed with the outrageous success of the Mirage Fighter crafts during the Kargil War. However it is still questionable why the government settled only for thirty six jets.

It is a fourth generation fighter aircraft with Spectra System installed at its tail. This system is responsible for misleading the opponents' RADAR system, it either blocks the RADAR waves or confuses such that the

counterparts are unable to detect the speed and exact coordinates of the craft. These systems make it highly efficient and will be crucial in saving the lives of pilots. A lot of attention has been drawn to minimise the pilot's workload. The cockpit features a wide angle holographic Head Up Display (HUD) and Multi Function Displays (MFDs). The Rafale has been fitted with Martin-Baker Mark “zero-zero” seat, enabling the ejection seat to operate at zero speed and zero altitude. The auto-pilot and auto-throttle are also highly advanced with activating switches located on the primary flight controls. These eventually ensure that the Indian fighter pilots are done with operating the ‘Flying Coffins’ and finally they have a thing which seems to be less fatal.

This French made death knell raises an obvious question, whether this ‘Gust of Wind’ is capable enough to outdo the cold waves of Himalaya and can it be handy at the high terrain war fields. Although the government has refused to share most of its details regarding the modifications carried out, but the coming aircrafts are much upgraded than those bought by the Egypt and Qatar Air Force.

These are enabled to be fully functional in the high-altitude airbase like one in Leh. Its shooting range is highly appreciable as it has a highly accurate missile range of three hundred kilometers which implies that operations like that of Balakot Air Strike can be done with utmost perfection without even crossing the Line of Control. Rafale fulfills nuclear capable standards, with two Snecma M88 engines, each capable of providing a thrust up to 50 kN and 75 kN. The engine is equipped with a

nonpolluting combustion chamber, single crystal turbine blade which will prove beneficiary for maintaining clean atmosphere in North-East. Its test flight is yet to be done by the Indian fighter pilots and all we can do is hope that this much awaited defense equipment serves long in the Indian Air Force and helps them add some new pages of glory to its legendary past.



French Ex-Defence Minister Jean Yves le Drian (left) and India's Ex-Defence Minister Late Manohar Parrikar after signing the deal to purchase 36 French Rafale fighter jets in New Delhi on September 23, 2016.

# SPACE OPERA

“The stars will never be won by little minds; we must be big as space itself.”

-Robert A. Heinlein

In the world of machine learning and artificial intelligence growing at an exponential rate, the raw version of these technologies was first witnessed in the early 1900s in science fiction comic books or in television shows and movies about space adventures. Those allusions were for the nerd kids of the early era which put the ideas of flying cars and intelligent robots in the brains of 1900s' kids who have developed this area of technology in a really impressive way. Video calling, holographic images, wireless communication and laser lights were some of the many technologies that were showcased in the fantasy world of science fiction, also going by the name Space Opera.

From a very young age, when kids are given their choice of entertainment like comic books or television shows and they go on an exploration journey to find out the genres that stir them, they often come across a fantasizing adventurous world of science and space with aliens and technologies that as humans we expect to see in our futures. Be it Star Wars by George Walten Lucas Jr or Starship Troopers by

Robert A. Heinlein, science fiction has never stopped to amaze us.

Irrespective of teemed Earth, secluded Mars and the other celestial bodies along with the Harsh Belt, one can live in the expanse. A sober aspect considering the Space Opera or the space musical drama is that it believes that the organisms will live, work, develop and even love old in space just the way we do here. The evangelists believe in the same theory. It's amazing to believe the fact that we exist on this planet with the notably simpler things like the soil, water, air, land fishes, canines etc. The universe is swarmed with immensely sensational things of beauty and they surpass our comprehension and discernment. And the interesting fact is that, all those things and every element that exists here on the planet with us is equally necessary as we are.

Space opera and science fiction have often been confused with each other in the past. Due to the numerous Sci Fis regularly coming up with more advanced technologies and efforts put into them that make them more tempting and pleasing, people have mistaken



Space Opera for them. While science fiction is the genre that deals with the futuristic science, technologies or social theories to depict a point in time where all these ideas could bring about a change in the society for the better, Space Opera can be said to be a sunset of space fiction that combines relatively optimistic future of newer technologies as well as of the space civilizations, that is, both the humane and alienated. Space opera was once considered a pejorative but now, it has become a widely accepted term. The term has no such specific relation to music and focused more on the melodramatic sequences where the opponents face a conflict due to advanced technologies. Science fiction is basically the 'literature of ideas'.

Originally, Space Opera was a term devised as an affront, initially appeared in fanzine *Le Zombie* in 1941 by a very well-known fan writer Wilson Tucker. Space Opera was a term used to convey the disparaging way of referring to

gob smacking adventure tale with spaceships, ray guns and laser lights. But today, for the same term, the tables have turned the other ways. Over the years, this term has gone through varied eras of scorn and reestablishment. But the face of Space Opera we are shown today is also cited as "hard science fiction", which means building up a fictional story where science and mathematics are given important consideration for plot creation. The growth of a simulated environment is needed to create an adaptive surrounding to give the experience of virtuality to the user.

There have been tonnes of developments, inspired by the Space Opera Universe and hopefully, there will always be more in the coming ages. Space Opera is one of the fastest growing fictional universe of all times and it is true, there will always be some part of the contribution from it in advancement of technologies.



Artistic fantasies about space and extraterrestrial beings.



## How To?

### How to stop Google from listening to you?

**G**oogle is an indispensable tool for android users and after the initiation of voice search, users' experience has improved to a great extent. All the information available at internet, is just an "OK Google" (wake words to initiate voice search in Google) statement away. The Google assistant understands the context and reacts smartly. It also helps you to communicate in dozens of languages and helps users to perform tasks like calling, starting an application and many more, after the instruction is received from the user. But several times Google voice search initiates automatically, which is very annoying to the users. Moreover, it is an official fact that Google stores voice search history as well, along with the other histories. According to Google, this data is used to provide accurate voice search responses and enhances users' search experience. If you want to stop Google from listening to you through your phone or if you are uncomfortable with this sort of data mining, you can delete your voice and audio history from Google and also block it from listening to you by following these simple steps:

#### To delete the voice history on Google Account:

1. Navigate to Google's Voice and Au-

dio Settings page.

2. Select through the search history.
3. Select each individual records or a specific date's result and delete from the options provided.

#### To block the voice history on Google account:

1. Sign in to your Google account from the Google's Activity Control page.
2. Select the voice and audio activity
3. Turn off the option to stop linking the voice recordings with your Google account.

#### To entirely block Google's access to Android's microphone:

1. Go to Settings and click on Apps and Notifications.
2. To view all the installed apps, click on the 'See all the apps' option.
3. Scroll down and select the Google app.
4. Click on the Permissions option to block the microphone slider.

### FINAL YEAR MEMBERS

Aditi Shukla

Ankit Kumar Tripathi

Anurag Sonkar

Ashwani Dubey

Mayank Prasad

Pragya Singh

Praveen Kumar Gupta

Rishika Jaiswal

Sarthak Srivastava

Saumya Rai

Shivani Dubey

Sungtiben Jamir

Yashasvi Anand

# सुगम्य भारत अभियान

**सी**ढ़ियाँ चढ़ना, ऊबड़-खाबड़ क्षेत्रों से या किसी संकरे रास्ते से गुजरना कितनी आम बात है। कोई भी व्यक्ति सामान्य परिस्थितियों में रास्तों पर लगे सूचना-चिन्हों को देखे बिना भी बड़े आराम से अपने गंतव्य तक पहुंच जाता है और समाज का बड़ा हिस्सा भी यही अनुभव करता है। किन्तु समाज का एक हिस्सा इस सामान्य जीवन से इतर, अपनी शारीरिक अथवा मानसिक अक्षमता के कारण कई प्रकार के अवरोधों का सामना करता है। हमारा समूचा बुनियादी ढाँचा, परिवहन व्यवस्थाएँ एवं संचार-तंत्र और जनमानस की सुविधा की दृष्टि से बनाये जाने वाले उपकरणों का निर्माण करते वक़्त, विकलांगता को कहीं भी केंद्र में नहीं लेता है।

पैरों से विकलांग के लिए संकरे रास्ते, नेत्रहीन के लिए सूचना-चिन्ह अथवा विकलांगों के लिए सामान्य परिवहन व तमाम व्यवस्थाएँ किसी भी प्रकार से उपयोगी नहीं है। संक्षिप्त में कहा जाए तो समाज का यह भाग विकास की मुख्यधारा से कहीं कट के रह गया है। संयुक्त राष्ट्र महासभा ने इस गंभीर विषय की ओर विश्व का ध्यान आकर्षित किया। 2007 में भारत ने विकलांग व्यक्तियों के अधिकारों पर संयुक्त राष्ट्र कन्वेंशन पर हस्ताक्षर किया। संयुक्त राष्ट्र कन्वेंशन का अनुच्छेद 9, हस्ताक्षरकर्ता सरकारों पर सभी आवश्यक कदम उठाने का दायित्व डालता है जिससे विकलांग व्यक्तियों की पहुँच अन्य लोगों के समान ही भौतिक वातावरण, परिवहन, सूचना एवं संचार (प्रौद्योगिकियों और प्रणालियों सहित) और शहरी या ग्रामीण क्षेत्र में जनता को प्रदान की जा रही अन्य सुविधाओं एवं सेवाओं तक सुनिश्चित की जा सके।

इसके अलावा एक महत्वपूर्ण उद्देश्य यह था कि साल 2018 तक पूरे देश के लगभग आधे रेलवे स्टेशनों को इन लोगों की सुविधा के अनुरूप ढाला जाए जिससे कि उन्हें सफ़र करने में आसानी हो। सुगम्य भारत अभियान की शुरुआत होने के वक़्त ही सरकार ने लगभग 26 शहरों में तमाम सरकारी इमारतों की जाँच करवाई जैसे सरकारी भवन, अस्पताल, दफ़्तर इत्यादि में चढ़ने के लिए ढलान की व्यवस्था की जाँच करवाया और निर्धारित जगहों पर उनका निर्माण भी करवाया। इस प्रकार से इन सभी जगहों को विकलांग जनों के लिए उपयुक्त बनाया गया।

## THIRD YEAR MEMBERS

Abhishek Singh

Akshat Singh

Astitva Mishra

Avaneesh Shukla

Ishita Singh

Mayank Srivastava

Nikhil Kumar

Nitya Anand

Shikhar Trivedi

Shivam Kumar

Shivani Parashar

Suryansh Kumar Pathak

Ujali Singh

Vishnu Narain



सरकार ने 'सुगम्य भारत अभियान मोबाइल एप्लीकेशन' का प्रक्षेपण भी किया और विशेषज्ञों का एक समूह संगठित किया जिनका कार्य था सभी सार्वजनिक क्षेत्रों के प्रतिनिधियों जैसे बिल्डर व रियल स्टेट के डेवलपर्स लोगों को इस अभियान के प्रति जागरूक करना। इसी अभियान के अंतर्गत सभी अंतरराष्ट्रीय व राष्ट्रीय हवाई अड्डों को दिव्यांगों के लिए सुलभ बनाया गया था। भारत ने अपने दायित्व की पूर्ति अथवा दिव्यांग जनों को विकास व समाज की मुख्यधारा में लाने के लिए सुगम्य भारत अभियान की शुरुआत की। सरकार, संयुक्त राष्ट्र के दिव्यांग जनों को मुख्यधारा में लाने के निर्देश का पालन करने में प्रयासरत है। जिसके अनुसार उन्हें भौतिक वातावरण को विकलांग के अनुकूल बनाने के साथ ही इंटरनेट को भी उनके अनुरूप ढालना इस अभियान में शामिल है। ये समझने का विषय है कि वर्तमान परिस्थिति में इंटरनेट किसी भी दिव्यांग के लिए बहुत उपयोगी नहीं है।

ये अभियान मात्र विकलांगों के उत्थान की बात नहीं करता है अपितु मानसिक रूप से भी समाज में एक परिवर्तन की धारा प्रारंभ करता है। अभियान में सरकार व संबंधित विभाग तो हितधारी हैं ही, साथ ही साथ जनता को भी इस अभियान में हितधारक बनाया गया है। सामान्य जनता को विकलांग के उत्थान में क्या और कैसे सहयोग देना है इसकी भी जानकारी दी गयी है, इसके आलावा समाज में विकलांगों के प्रति संवेदना जागृत करने के लिए सरकार द्वारा कई जागरूकता सम्मेलन किये गए हैं। अब ये समाज के प्रबुद्ध जनों का दायित्व है कि वे समाज में विकलांगों के प्रति सोच में परिवर्तन लाने के लिए प्रयासरत हों तथा इस अभियान को सही अर्थ प्रदान करें।

## SECOND YEAR MEMBERS

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Awinash

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