



**INSTITUTE OF AERONAUTICAL ENGINEERING**  
**(Autonomous)**  
Dundigal, Hyderabad – 500 043

**ANNUAL REPORT 2020-2021**



# Contents

|                                                 |    |
|-------------------------------------------------|----|
| 1. About Us                                     | 2  |
| 2. Vision, Mission, And Values                  | 4  |
| 3. Institute Philosophy & Profile               | 5  |
| 4. Principal's Message                          | 6  |
| 5. Year In Review                               | 7  |
| 6. Governance                                   | 8  |
| 7. Organizational Chart And Processes           | 9  |
| 8. Perspective / Strategic Plan For 2017 – 2022 | 10 |
| 9. Rankings & Accolades                         | 11 |
| 10. Milestones                                  | 15 |
| 11. Programmes At IARE                          | 19 |
| 12. Innovation in Academics                     | 20 |
| 13. Students                                    |    |
| • Admissions                                    | 21 |
| • Results                                       | 24 |
| • Placements                                    | 26 |
| • Gate qualified Students                       | 30 |
| • Internships                                   | 32 |
| 14. Faculty                                     |    |
| • Faculty in Position                           | 37 |
| • New Appointments                              | 39 |
| 15. Events                                      |    |
| 16. Research & Development                      | 44 |
| • Govt. funded Schemes                          | 46 |
| • Faculty Publications in Journals              | 47 |
| • Books/Book Chapters                           | 57 |
| • International Collaborations                  | 58 |
| • IPR                                           | 59 |
| 17. Central Facilities                          |    |
| • Central library                               | 61 |
| • Computer Centre                               | 63 |
| • Intellect Campus Management System            | 65 |
| • Infrastructure                                | 66 |
| • CDC                                           | 67 |
| • Incubation Space                              | 68 |
| • Community Innovation                          | 78 |
| • ICT                                           | 81 |
| 18. Student Support                             | 84 |
| 19. Outreach Programs & Extension Activities    | 87 |
| 20. Alumni Association                          | 90 |
| 21. Gallery                                     | 91 |

# ABOUT US

## HISTORY

Institute of Aeronautical Engineering (IARE), Hyderabad was established in the year 2000 and is run by Maruthi Educational Society founded by a devoted group of eminent professional and industrialists having a long and outstanding experience in educational system with a mission 'Education for Liberation'. It is the first institute to start B. Tech program in Aeronautical Engineering in the state of Telangana and has gradually transformed itself into an integrated multi-disciplinary technological institute.

IARE is a prestigious Autonomous Engineering college offering seven B. Tech programs (CSE, IT, ECE, EEE, Aeronautical, Mechanical and Civil Engineering) and six M. Tech programs in Engineering and MBA with 21 years of rich standing in the educational sphere.

## STATUS

The institute is approved by AICTE, New Delhi; recognized by Govt. of Telangana; permanently affiliated to Jawaharlal Nehru Technological University Hyderabad (JNTUH); and accredited by National Assessment and Accreditation Council (NAAC) with 'A' Grade. All the seven B.Tech programs are accredited thrice by National Board of Accreditation (NBA), New Delhi since 2008. The institute also received UGC recognition under Sections 2(f) and 12(B) of the UGC Act.

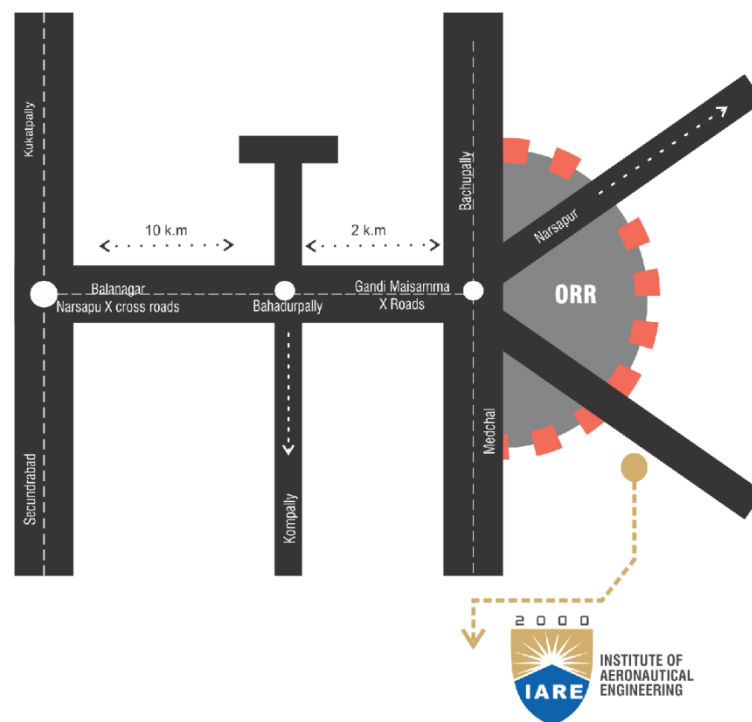
The institute is ranked **159** in Engineering category as per **National Institutional Ranking Framework (NIRF)** – 2021, Ministry of Human Resource Development (MHRD), Govt. of India. This illustrates positive performance and quality standards we maintain in Teaching, Research, Employability, and Innovation. Categorized as 'Band B' institution (rank band 26-50) in category of 'Private or Self-Financed College/Institutes' in Atal Ranking of Institutions on Innovation Achievement (ARIIA) – 2020, as per MHRD's Innovation Cell, Ministry of Education, Govt. of India.

## CAMPUS

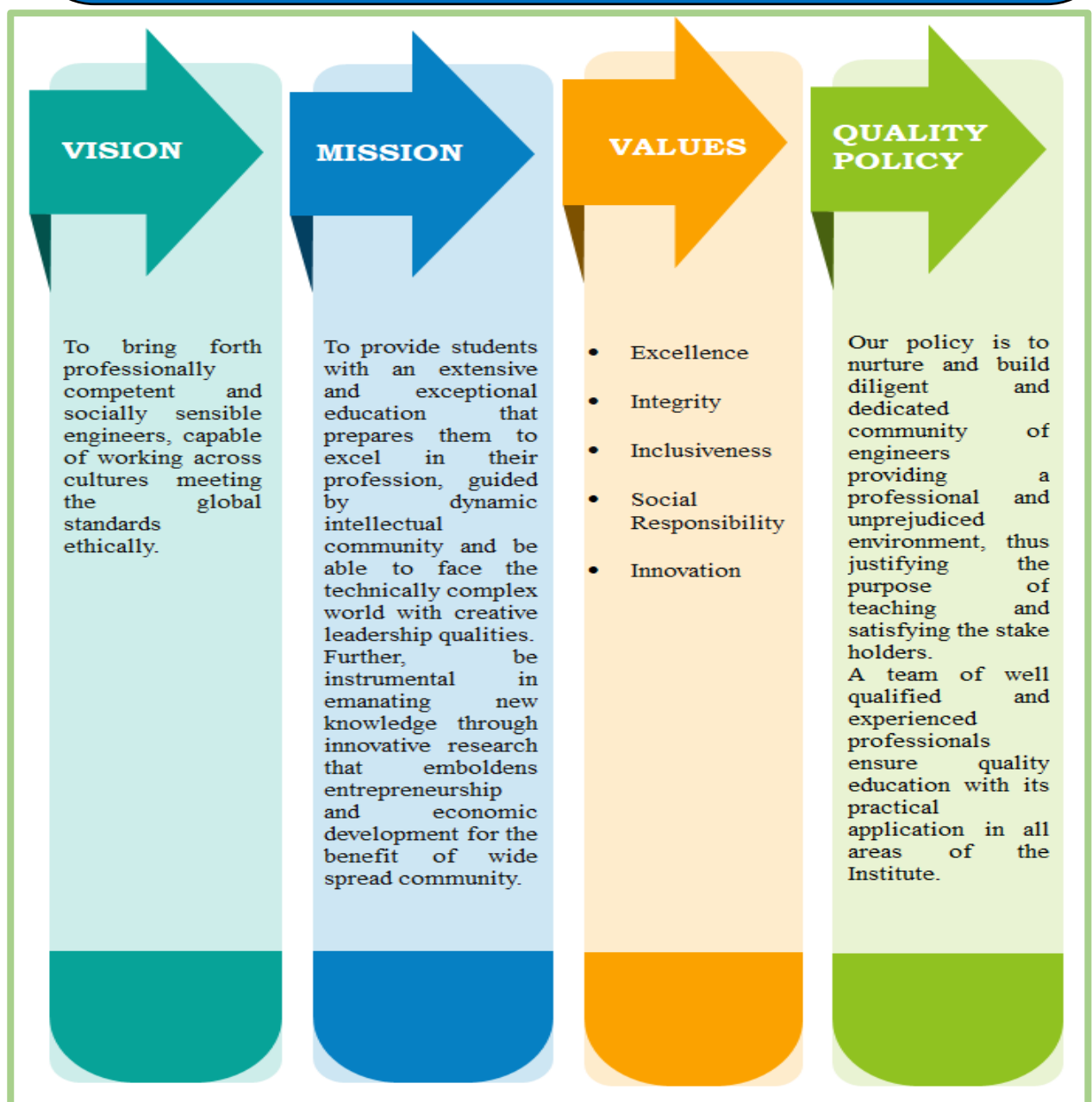
The institute is spread over 17 acres with built up area of 3, 37, 500 sft. housing 65+ smart class rooms, 2 ICT studio rooms, 4 flipped classrooms, 4 conference halls, auditorium, 8 research laboratories, 103 academic laboratories, science and technology startup park, technology innovation and incubation center, open air amphitheater, makerspace, community facilitation center, skill development center and library.

## About Us

The IARE also enjoys geographical advantage, as it is well connected by air, rail and road. The college campus is adjacent to Nehru Outer Ring Road close to Dundigal junction exit-5, making it accessible to several important centers in and around the city. The Campus is situated 20 Km away from Secunderabad Railway station, 11 Km from JNTUH University, Kukatpally, and is just a 40 minute drive from Rajiv Gandhi International Airport, in a lush green and pollution free environment.



## VISION, MISSION & VALUES



### INSTITUTE PHILOSOPHY & PROFILE

The essence of learning lies in pursuing the truth that liberates one from the darkness of ignorance and Institute of Aeronautical Engineering firmly believes that education is for liberation. Contained therein is the notion that engineering education includes all fields of science that plays a pivotal role in the development of world-wide community contributing to the progress of civilization. This institute, adhering to the above understanding, is committed to the development of science and technology in congruence with the natural environs. It lays great emphasis on intensive research and education that blends professional skills and high moral standards with a sense of individuality and humanity. We thus promote ties with local communities and encourage transnational interactions in order to be socially accountable. This accelerates the process of transfiguring the students into complete human beings making the learning process relevant to life, instilling in them a sense of courtesy and responsibility

#### Institute Profile

|                                |                                                                                                                                            |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Name of the Institution</b> | Institute of Aeronautical Engineering(IARE)                                                                                                |
| <b>Estd. Year</b>              | 2000                                                                                                                                       |
| <b>Managed by</b>              | Maruthi Educational Society, Hyderabad                                                                                                     |
| <b>Approved by</b>             | All India Council for Technical Education, New Delhi                                                                                       |
| <b>NIRF India Ranking</b>      | <b>159<sup>th</sup> Best Engineering Institution in India, as per Ministry of HRD, Govt. of India</b>                                      |
| <b>ARIIA India Ranking</b>     | 'Band B' institution (rank between 26-50) as per MHRD's Innovation Cell, Ministry of Education, Govt. of India.                            |
| <b>Accreditation</b>           | NBA accreditation for seven B. Tech programs<br>NBA accreditation for two M.Tech programs MBA program<br>NAAC accreditation with 'A' Grade |
| <b>Autonomy</b>                | <b>Autonomous status from University Grants Commission(UGC), New Delhi</b>                                                                 |
| <b>Affiliated to</b>           | Jawaharlal Nehru Technological University Hyderabad                                                                                        |
| <b>Campus</b>                  | <b>Dundigal, Hyderabad – 500043, Telangana</b>                                                                                             |
| <b>Phone</b>                   | 040-29705852, 53, 54                                                                                                                       |



### PRINCIPAL'S MESSAGE

Dr. L V Narasimha Prasad



With the fast-paced ever-growing markets having global outlook, the demand for well- trained multi - skilled engineers and entrepreneurs has risen. The competition in the industry has increased and so have the standards that define engineering. Institute of Aeronautical Engineering has always strived to excel in both technical and managerial arenas. Over the past 21 years, our strong alumni placed in prominent companies have done us proud.

The placements over the years have increased with many prominent companies visiting our campus. We make sure that students do not believe only in gaining text bookish knowledge but go beyond and master life skills. In a short span, we have successfully made a mark in the corporate world. Our students have always set high benchmarks, competing with students all around the globe.

In line with the institute's vision and mission, we aim at providing excellent academic ambience, student centric teaching-learning process, state-of-the-art infrastructure, highly qualified and experienced faculty, and an overall dynamic and disciplined workplace. To keep pace with the fast-emerging technologies and rapidly changing world around, we instill and nurture leadership qualities in our students.

Year in review

## **YEAR IN REVIEW**



### GOVERNANCE

#### Members of the Board and their background

##### Members of the Management



##### **Chairman**

He envisioned a technological revolution and committed himself to establish an institution, to foster technical and higher education. Since his young age he showed great flair in managing and nurturing educational institutions, for whom quality is the way of life. Under the dynamic leadership of Sri. Rajasekhar Reddy, IARE is reinforcing its position as an institution of eminence in Hyderabad and beyond.



Sri Ch Sathi Reddy

##### **Secretary and Correspondent**

Amid 25 years of expertise under his leadership, MTE has evolved to be one of the best machine tool building facilities in India. All the critical parts are made in-house to ensure the precise quality in products delivered. With a rare and enriching exposure to industrial research experience, Sri. Sathi Reddy prepares the IARE students to be competent in academic and engineering studies to meet the challenges in industry.



Sri B Rajeshwar Rao

##### **Executive Director & Treasurer**

Institute of Aeronautical Engineering, Sri Rajeshwar Rao, an outstanding entrepreneur with 25 years of journey in the field of manufacturing nonferrous castings at Sri Rama nonferrous foundry. Since the inception he is the Vice-Chairman of Kranthi Co-operative Bank Limited and the treasurer of Vidyanjali Grammar School. He is the guide and mentor of IARE with a great determination. He takes care of day-to-day activities leaving no stone unturned. He strives to provide the best of infrastructure and facilities on par to industry with specific standards which helps in overall development of the institute.

Industrialist

Sri. Ch. JayasimhaReddy, CEO, M/s. MTE Industries, Jinnaram, Medak Dist.

Educationist

Dr. Om Vikas, Former Director, ABV – Indian Institute of Information Technology and Management, Gwalior, Madhya Pradesh

UGC Nominee

Prof. A Damodaram, Professor and Director of SIT, JNT University Hyderabad, Hyderabad

State Govt. Nominee

Prof. K Venkata Chalam, Vice Chairman -I, Telangana State Council for Higher Education, Hyderabad

J N T University Nominee

Dr. N Yadaiah, Professor, Electrical and Electronics Engineering, Jawaharlal Nehru Technological University Hyderabad, Hyderabad.

Member - Faculty

Dr. P Sridhar, Professor, Electrical and Electronics Engineering, Institute of Aeronautical Engineering, Hyderabad

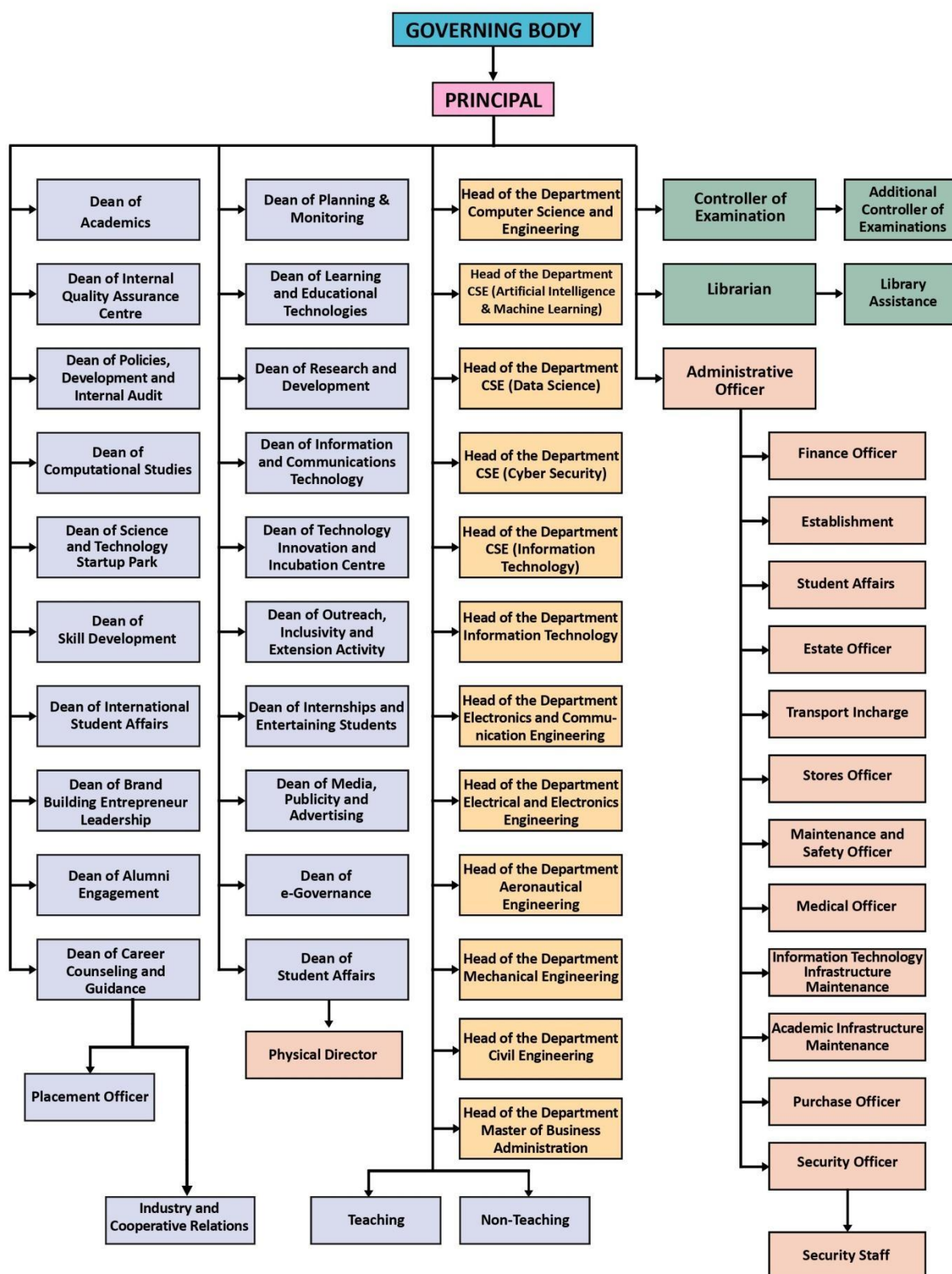
Member - Faculty

Prof. V V S Haranadh Prasad, Professor, Mechanical Engineering, Institute of Aeronautical Engineering, Hyderabad

Ex - Officio

Dr. L V Narasimha Prasad, Principal, Institute of Aeronautical Engineering, Hyderabad

## Organizational Chart and Processes



### **PERSPECTIVE / STRATEGIC PLAN FOR 2017 – 2022**

The Institute of Aeronautical Engineering (IARE) is a leading engineering Institutions in the country, enabling students to improve their quality of life through education, research, innovation, entrepreneurship and societal engagement. According to NIRF India ranking, IARE is ranked as one among the top 200 engineering institutions in the country and one of the top ten private institutions in the state of Telangana. To achieve our vision, we have aligned IARE strategic plans with its mission, accreditation standards, and best practices at private higher education institutions around the world. IARE leadership team formulated the first strategic plan (2011 - 2016) during the “Growth Phase” to strengthen the infrastructure. The plan consisted of actions to establish quality programs, recruit faculty, graduate exemplary students, and obtain resources with developmental key result areas. During the second decade, IARE leadership team developed a second strategic plan (2017 - 2022) during the “Development Phase” which focused on IARE’s vision and “Make In India” campaign, taking the lead as a higher education institution and having a greater impact on society, with its ambitious themes to become “LEADER”. More than 40 specialized faculty, department heads, deans, students, staff and a select group of key JNT University officials took part during 2017 to develop this strategic plan. Recruiters, engineering deans at other universities, students and alumni provided further input through discussions and interviews. As we prepare to celebrate twenty years of success and transition into the third decade of IARE, we will embark on the “Sustainability & Initiatives Phase” with its research-based themes (2023 - 2028). We will continue to open the doors for new learning opportunities, to showcase proficiency in the use of modern technology, and to infuse research into the teaching and learning process. This plan will also enable the IARE community to contribute to the “NEP2020” and ambitions of the “Start-up India”. We firmly believe our strategic planning, continuous improvement efforts, and our constant accreditation successes will help us achieve our vision to be the leading and best Institution, not only in the state of Telangana, but in the country.

## Rankings & Accolades

**The College is ranked one among the 159 best Engineering colleges in the Country by the National Institutional Ranking Framework (NIRF) 2021.**



It is a matter of great pride to all Management, Staff, Students that the College is ranked one among the 159 best Engineering colleges in the country by the National Institutional Ranking Framework (NIRF), implemented by the Ministry of Human Resources Development, Govt. of India.

The NIRF aims at ranking the educational institutions across the country based on certain parameters such as Teaching, Learning and Resources, Research and Professional Practices, Graduation Outcomes, Outreach and Inclusivity and Perceptions. The College got a total score of 34.61 out of 100, the break-up of which is given below.

|                                            |                      |
|--------------------------------------------|----------------------|
| <b>Teaching Learning and Resources</b>     | <b>- 50.17 (100)</b> |
| <b>Research and Professional Practices</b> | <b>- 14.51 (100)</b> |
| <b>Graduation Outcomes</b>                 | <b>- 49.88 (100)</b> |
| <b>Outreach and Inclusivity</b>            | <b>- 49.39 (100)</b> |
| <b>Perception</b>                          | <b>- 2.87 (100)</b>  |



### **The college has been participating in Atal Ranking of Institutions on Innovation Achievements (ARIIA)**

Atal Ranking of Institutions on Innovation Achievements (ARIIA) is an initiative of Ministry of Human Resource Development (MHRD), Govt. of India to systematically rank all major higher educational institutions and universities in India on indicators related to “Innovation and Entrepreneurship Development” amongst students and faculties.

Institute of Aeronautical Engineering (IARE) is categorized as '**Band-Excellent**' institution in category of 'Private or Self-Financed College / Institutes' in Atal Ranking of Institutions on Innovation Achievement (ARIIA) – 2021.

To promote incubation centers, start-ups and entrepreneurship, IARE signed an MOU with National Research Development Corporation (NRDC) to cooperate for the development of technologies and their successful transfer to industry for commercial and socio-economic benefits. The students are provided with avenues to showcase their talents and innovative skills. They also participate in various national level engineering competitions like Baja SAEINDIA, Supra SAEINDIA, Go-kart, ADC championships to name a few and have made their mark by winning prizes and ranks. They participate in national and state level project competitions as well as conferences to share their research findings. Students have represented the institute at international level as well as instrumental



## Rankings & Accolades

in signing the Memorandum of Understanding (MOU) with many reputed organizations including Infosys, Tech Mahindra, NTT Data, Mphasis, TATA Advanced Systems, Cyient, MTE Industries, CISCO, Cadence, Autodesk, DesignTek, ARM, NAL, MCME etc.



## Rankings & Accolades

### Rank in National Agencies



Ratings of Best Engineering Colleges Survey - 2021

**#AAAA** rating in India 2021 (**#AAA+** rating in India 2020)



The Best Colleges of India - 2021

**#57** out of 250 in India 2021 (**#57** out of 200 India 2020)



THE WEEK - HANSA Research Survey of Best Colleges 2020

**#84** out of 191 in India 2020 (**#95** out of 130 India 2019)



Times Engineering Institute Ranking Survey - 2021

**#79** out of 175 in India 2021 (**#76** out of 155 in India 2020)



India's Top Engineering Colleges 2021 CSR – GHRDC Rankings

**#17** out of 29 colleges of Eminence India 2021 (**#17** out of 29 India 2020)



Ranking of India's Top 100 Engineering Schools

**#59** out of 100 in India 2021 (**#44** out of 100 in India 2020)



BW-ICARE Engineering Rankings 2019

**#60** out of 81 in India 2019 (**#51-65** out of 81 in India 2018)

Activate Windows  
Go to Settings to activate

### National Board of Accreditation for all branches

The College has been further accredited by National Board of Accreditation for period of three years upto 30 June, 2022 seven branches: Aeronautical Engineering, Computer Science & Engineering, Information Technology, Electronics and Communication Engineering, Electrical and Electronics Engineering, Mechanical Engineering and Civil Engineering.



### MILESTONES AT A GLANCE

| YEAR | MILESTONES                                                                                                                                                                 |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2000 | The inception of Maruthi Educational Society. The emergence of Institute of Aeronautical Engineering offering B.Tech in Aeronautical Engineering                           |
| 2001 | Starting of B.Tech in Computer Science & Engineering and Information Technology.                                                                                           |
| 2004 | Starting of B.Tech in Electrical & Electronics Engineering, Electronics & Communication Engineering and Mechanical Engineering                                             |
|      | Increase in the intake of B.Tech in Aeronautical Engineering, and Computer Science & Engineering from 60 to 90                                                             |
| 2006 | Increase in the intake of B.Tech in Computer Science & Engineering from 90 to 120                                                                                          |
|      | Increase in the intake of B.Tech in Electronics & Communication Engineering from 60 to 90                                                                                  |
|      | Starting of PG courses in MBA/MCA                                                                                                                                          |
| 2008 | Starting of B.Tech in Civil Engineering                                                                                                                                    |
|      | Increase in the intake of B.Tech in Aeronautical Engineering from 90 to 120                                                                                                |
|      | The departments of Computer Science & Engineering, Information Technology and Aeronautical Engineering got accredited by the NBA, New Delhi, for the period of three years |
|      | Starting of PG courses in M.Tech (Aerospace Engineering and Computer Science and Engineering)                                                                              |
| 2009 | Starting of PG course in M.Tech (Software Engineering)                                                                                                                     |
|      | Increase in the intake of B.Tech in Electronics and Communication Engineering from 90 to 120                                                                               |

## Milestones

|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2010 | Increase in the intake of B.Tech in Aeronautical Engineering and Computer Science and Engineering from 90 to 120                                                                                                                                                                                                                                                                                                                                    |
| 2011 | Starting of PG courses in M.Tech (CAD/CAM)                                                                                                                                                                                                                                                                                                                                                                                                          |
| 2012 | Increase in the intake of B.Tech in Computer Science and Engineering and Electronics and Communication Engineering from 120 to 180                                                                                                                                                                                                                                                                                                                  |
|      | Starting of PG course in M.Tech (Embedded Systems)                                                                                                                                                                                                                                                                                                                                                                                                  |
| 2013 | Increase in the intake of B.Tech in Mechanical Engineering, and Civil Engineering from 60 to 120                                                                                                                                                                                                                                                                                                                                                    |
|      | The departments of Computer Science and Engineering, Aeronautical Engineering and Information Technology got accredited again for two more years and the departments of Electrical and Electronics Engineering, Mechanical Engineering and Electronics and Communication Engineering got accredited by the NBA, New Delhi, for the period of two years                                                                                              |
| 2014 | Starting of PG courses in M.Tech (Power Electronics & Electrical Drives and Structural Engineering)                                                                                                                                                                                                                                                                                                                                                 |
|      | JNTUH, Hyderabad granted permanent affiliation for a period of five years                                                                                                                                                                                                                                                                                                                                                                           |
|      | Recognition of Institute under Section 2 (f) & 12 (B) of the UGC Act, 1956                                                                                                                                                                                                                                                                                                                                                                          |
| 2015 | Conferment of Autonomous Status by University Grants Commission, New Delhi.                                                                                                                                                                                                                                                                                                                                                                         |
|      | The Institute got accredited by National Assessment and Accreditation Council (NAAC) with 'A' grade                                                                                                                                                                                                                                                                                                                                                 |
| 2016 | Institute of Aeronautical Engineering, Hyderabad (Telangana) got recognized by the Department of Scientific and Industrial Research (DSIR) for the purposes of availing custom duty exemption for its research activities in terms of Government Notification No. 51/96-Customs dated 23 July, 1996 and Central Excise duty exemption in terms of Government Notification No. 10/97-Central Excise dated 1 March, 1997 as amended from time to time |
|      | The Institute got accredited by National Board of Accreditation for three years for all the seven branches: Aeronautical Engineering, Computer Science and Engineering, Information Technology, Electronics and Communication Engineering, Electrical and Electronics Engineering, Mechanical Engineering and Civil Engineering.                                                                                                                    |

## Milestones

|      |                                                                                                                                                                                                                                                                                                                                                                          |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2017 | Ranked one among top 10 Private Engineering Institutions in Telangana and one in all India Rank-band: 151-200 as per National Institutional Ranking Framework (NIRF) - 2017, Ministry of Human Resource Development (MHRD), Govt. of India.                                                                                                                              |
|      | Increase in the intake of B.Tech in Electrical and Electronics Engineering and Information Technology from 60 to 120.                                                                                                                                                                                                                                                    |
| 2019 | The Institute has been further accredited by National Board of Accreditation for period of three years upto 30 June, 2022 for all the seven branches: Aeronautical Engineering, Computer Science & Engineering, Information Technology, Electronics and Communication Engineering, Electrical and Electronics Engineering, Mechanical Engineering and Civil Engineering. |
|      | Ranked 139 in Engineering category as per National Institutional Ranking Framework (NIRF) - 2019, Ministry of Human Resource Development (MHRD), Govt. of India.                                                                                                                                                                                                         |
|      | Starting of PG course in M.Tech (Electrical Power Systems)                                                                                                                                                                                                                                                                                                               |
| 2020 | The Institute has been Accredited by National Board of Accreditation for two PG Programs in Engineering: M.Tech - Computer Science and Engineering and M.Tech - Embedded Systems from the Academic Year 2019 - 20 to 2021 - 22 for a period of three years.                                                                                                              |
|      | The Institute has been Accredited by National Board of Accreditation for Management Program: MBA (Masters in Business Administration) from the Academic Year 2019 - 20 to 2021 - 22 for a period of three years.                                                                                                                                                         |
|      | IARE is Ranked 170 in Engineering category as per National Institutional Ranking Framework (NIRF) - 2020, Ministry of Human Resource Development (MHRD), Govt. of India.                                                                                                                                                                                                 |
|      | Institute of Aeronautical Engineering (IARE), is categorized as 'Band B' institution (rank between 26-50) in category of „Private or Self-Financed College/Institutes“ in Atal Ranking of Institutions on Innovation Achievement (ARIIA) – 2020, as per MHRD’s Innovation Cell, Ministry of Education, Govt. of India.                                                   |
|      | Starting of Emerging Courses in B. Tech in Computer Science and Engineering (Artificial Intelligence and Machine Learning), Computer Science and Engineering (Data Science), Computer Science and Engineering (Cyber Security), Computer Science and Information Technology.                                                                                             |
| 2021 | Institute of Aeronautical Engineering (IARE) is ranked 159 in Engineering category as per National Institutional Ranking Framework (NIRF) - 2021, Ministry of Human Resource Development (MHRD), Govt. of India.                                                                                                                                                         |

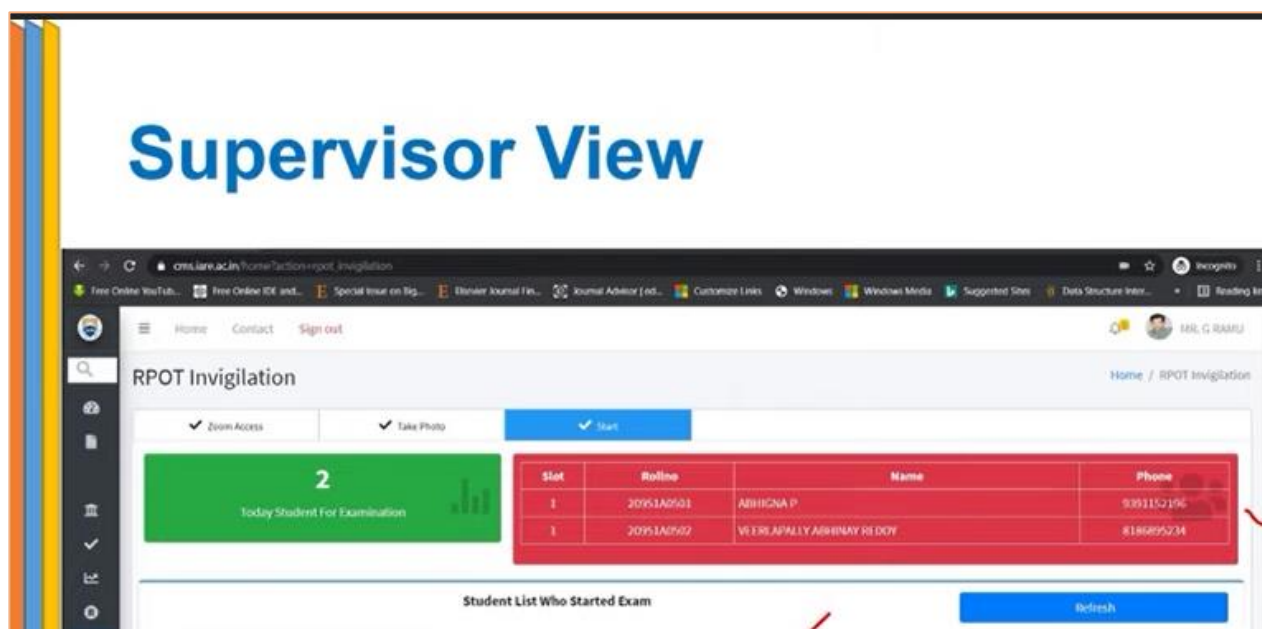
## PROGRAMMES AT IARE

- Name of the Programmes approved by AICTE

| S.No                  | Programme                | Name of the Course                                                                       | Intake |
|-----------------------|--------------------------|------------------------------------------------------------------------------------------|--------|
| <b>UNDER GRADUATE</b> |                          |                                                                                          |        |
| 1                     | Engineering & Technology | B. Tech.-Aeronautical Engineering                                                        | 120    |
| 2                     | Engineering & Technology | B. Tech.-Computer Science and Engineering                                                | 240    |
| 3                     | Engineering & Technology | B. Tech.-Information Technology                                                          | 120    |
| 4                     | Engineering & Technology | B. Tech.-Electronics and Communication Engineering                                       | 240    |
| 5                     | Engineering & Technology | B. Tech.-Electrical and Electronics Engineering                                          | 60     |
| 6                     | Engineering & Technology | B. Tech.-Mechanical Engineering                                                          | 60     |
| 7                     | Engineering & Technology | B. Tech.-Civil Engineering                                                               | 60     |
| 8                     | Engineering & Technology | B. tech.-Computer Science and Engineering (Data Science)                                 | 60     |
| 9                     | Engineering & Technology | B. tech.-Computer Science and Engineering (Cyber Security)                               | 60     |
| 10                    | Engineering & Technology | B. tech.-Computer Science and Engineering (Artificial Intelligence and Machine Learning) | 60     |
| 11                    | Engineering & Technology | B. tech.-Computer Science and Information Technology                                     | 60     |
| <b>POST GRADUATE</b>  |                          |                                                                                          |        |
| 1                     | Engineering & Technology | Computer Science & Engineering                                                           | 18     |
| 2                     | Engineering & Technology | Embedded Systems                                                                         | 18     |
| 3                     | Engineering & Technology | Structural Engineering                                                                   | 18     |
| 4                     | Engineering & Technology | Aero Space Engineering                                                                   | 18     |
| 5                     | Engineering & Technology | Computer Aided Design and Manufacture                                                    | 18     |
| 6                     | Engineering & Technology | Electrical Power Systems                                                                 | 18     |
| 7                     | Management               | Masters in Business Administration                                                       | 60     |

## INNOVATION IN ACADEMICS

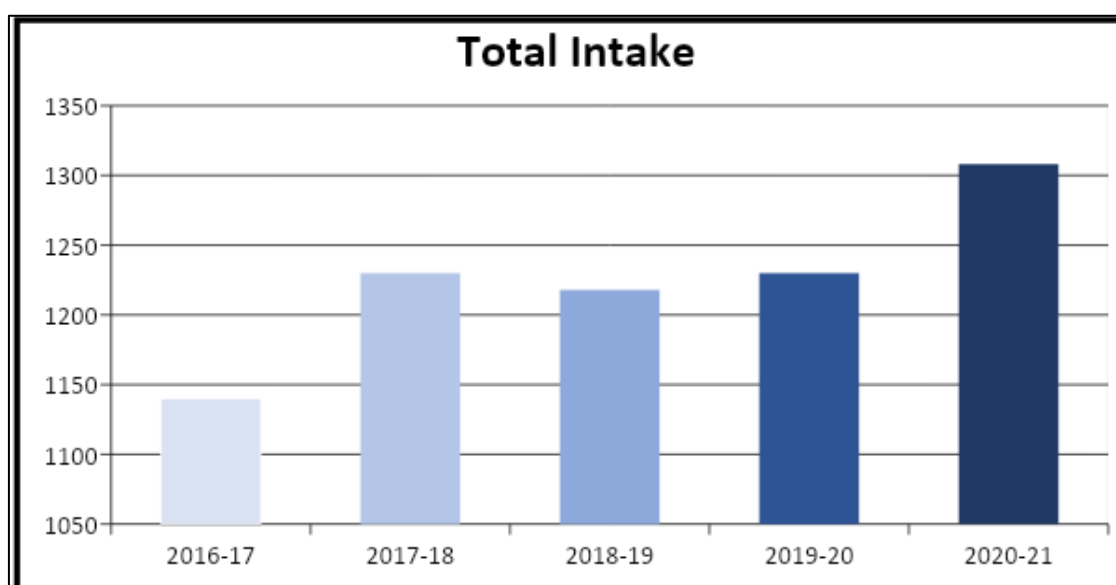
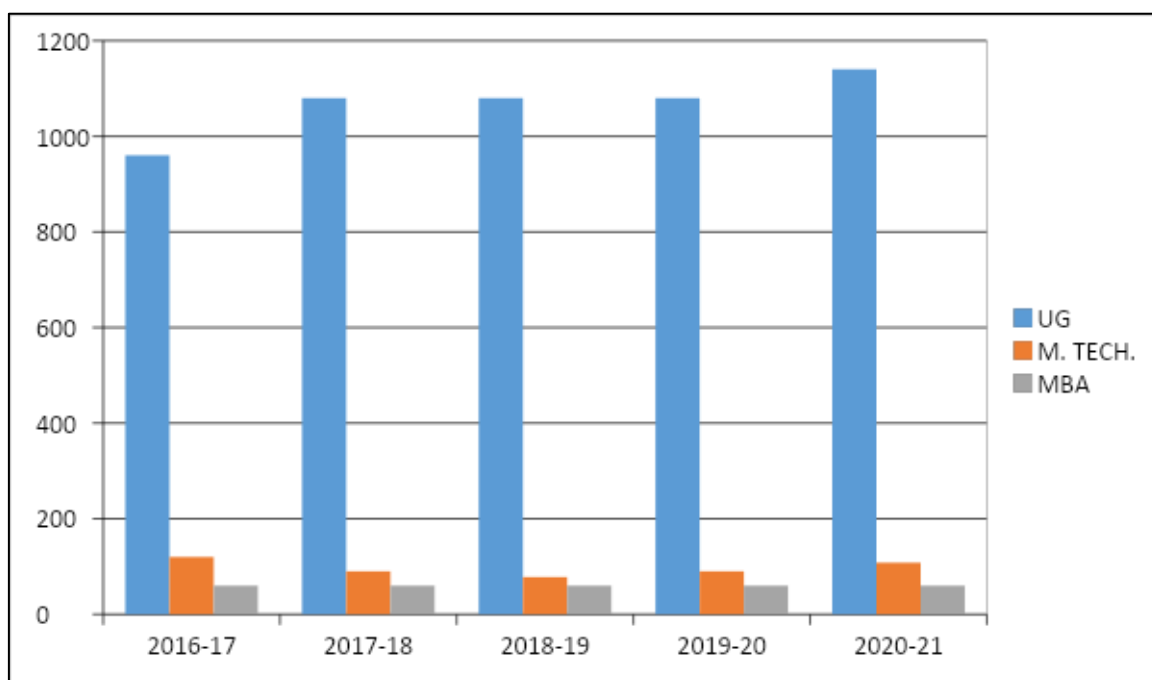
- Implementation of UG-20 regulations for B. Tech.
- Value added Courses and mandatory Courses.
- Experiential Engineering Education (ExEEd).
- Development of e-Learning/Early Learning Readiness Videos (ELRV)
- Four Quadrant approach in e-learning system.
- Videos on Lab experiments.
- Video Demonstration of Laboratory Experiments.
- Conduction of mid/end exams through R-Pot
- Alternative Assessment Tool as a part of Continuous Internal Evaluation which include concept video and tech talk



## Student Profile & Achievements

### STUDENT ADMISSION

During the academic current Academic Year, the B. Tech strength was enhanced from 1080 to 1140; new courses were added in the UG-20 regulations. In this academic year 4 new emerging courses Computer Science and Engineering (Cyber Security), Computer Science and Engineering -Artificial Intelligence and Machine Learning, Computer Science and Engineering (Data Science) and Computer Science and Information Technology are started.





## Student Profile & Achievements

### UG-B.Tech- Admission (Rankwise)

| S<br>No | Branch   | General |       | OBC   |       | SC    |       | ST    |       | Minority |       | PHO & PHH |       | CAP   |       | NCC   |       |
|---------|----------|---------|-------|-------|-------|-------|-------|-------|-------|----------|-------|-----------|-------|-------|-------|-------|-------|
|         |          | First   | Last  | First | Last  | First | Last  | First | Last  | First    | Last  | First     | Last  | First | Last  | First | Last  |
| 1       | AE       | 7247    | 19504 | 9027  | 52543 | 28031 | 64128 | 25290 | 58126 | 9844     | 37040 | 19660     | 37734 | 3668  | 10120 | 19309 | -     |
| 2       | CSE      | 1151    | 9203  | 6476  | 32813 | 10730 | 48832 | 9196  | 67362 | 18627    | 57962 | 4587      | 25356 | 4626  | 17859 | 51356 | 61152 |
| 3       | CSE-AIML | 902     | 9827  | 10974 | 27242 | 20060 | 84426 | 15527 | 53085 | 20036    | 24292 | 27074     | -     | -     | -     | 41320 | -     |
| 4       | CSE-DS   | 7639    | 10767 | 8455  | 59664 | 37503 | 76851 | 45666 | 49348 | 38738    | 45214 | 50682     | -     | 79223 | -     | 34833 | -     |
| 5       | CSE-CS   | 5443    | 11105 | 13490 | 44951 | 68033 | 77192 | 29863 | 80599 | 50417    | 72773 | 11248     | -     | 64618 | -     | -     | -     |
| 6       | CSIT     | 4637    | 13377 | 13448 | 58696 | 39062 | 71438 | 34283 | 49678 | 16816    | 37982 | 49669     | -     | 51434 | -     | 22310 | -     |
| 7       | IT       | 5382    | 13292 | 9873  | 44542 | 38492 | 64865 | 40824 | 73000 | 25782    | 73301 | 13215     | 65204 | 10013 | 33116 | 62044 | -     |
| 8       | ECE      | 7656    | 14717 | 14219 | 69188 | 46254 | 68433 | 29245 | 67792 | 21961    | 81844 | 12347     | 70595 | 10998 | 62437 | 23114 | 25289 |
| 9       | EEE      | 7364    | 18855 | 27244 | 76357 | 49197 | 75687 | 28610 | 62054 | 77497    | 81283 | 33652     | -     | 21283 | -     | 18988 | -     |
| 10      | ME       | 16096   | 32621 | 30896 | 82516 | 44765 | 73978 | 30852 | 80141 | 46200    | 76936 | 24596     | -     | -     | -     | 77674 | -     |
| 11      | CE       | 14824   | 27180 | 19712 | 83553 | 40910 | 79020 | 44198 | 68929 | 34853    | 60875 | 44993     | -     | 53532 | -     | 49761 | -     |

### PG-Admission (Rank Wise)

| SNo | Name of the Programme            | General |       | OBC   |       | SC    |       | ST    |       | Minority |      |
|-----|----------------------------------|---------|-------|-------|-------|-------|-------|-------|-------|----------|------|
|     |                                  | First   | Last  | First | Last  | First | Last  | First | Last  | First    | Last |
| 1   | Aerospace Engineering            | 3       | -     | -     | -     | -     | -     | -     | -     | -        | -    |
| 2   | CAD/CAM                          | 41      | -     | 112   | 1128  | -     | -     | 285   | 412   | -        | -    |
| 3   | Computer Science and Engineering | 1157    | -     | 929   | -     | -     | -     | -     | -     | -        | -    |
| 4   | Embedded Systems                 | -       | -     | 247   | 1297  | 1007  | 1279  | 533   | -     | -        | -    |
| 5   | Electrical Power Systems         | 617     | -     | 798   | -     | 826   | 1565  | 1341  | -     | 805      | -    |
| 6   | Structural Engineering           | 248     | 401   | 301   | 1080  | 1053  | 1068  | 2575  | -     | -        | -    |
| 7   | MBA                              | 2501    | 21014 | 2063  | 37116 | 12506 | 36334 | 12618 | 38359 | -        | -    |

## Student Profile & Achievements

### STUDENT STRENGTH

The Institute IARE offers 11 undergraduate Programmes and 7 Postgraduate Programmes in the academic year 2020-21. The total student strength in the campus is 4971 of which 3416 are boys and 1555 are girls. The socio-economic profile of the entire student community can be perused through the following table.

### ON ROLL UG STUDENT'S DATA FOR THE AY 2020-2021

| Department                                | Year | Gender Wise |     | Total | Category |    |    |   |     |    |          |   |         |    | Total |
|-------------------------------------------|------|-------------|-----|-------|----------|----|----|---|-----|----|----------|---|---------|----|-------|
|                                           |      |             |     |       | SC       |    | ST |   | OBC |    | Minority |   | General |    |       |
|                                           |      | M           | F   |       | M        | F  | M  | F | M   | F  | M        | F |         |    |       |
| Aeronautical Engineering                  | I    | 89          | 33  | 122   | 10       | 5  | 4  | 2 | 31  | 17 | 8        | 3 | 36      | 6  | 122   |
|                                           | II   | 90          | 34  | 124   | 8        | 7  | 5  | 3 | 41  | 12 | 9        | 0 | 27      | 12 | 124   |
|                                           | III  | 95          | 38  | 133   | 12       | 2  | 5  | 2 | 46  | 14 | 7        | 2 | 25      | 18 | 133   |
|                                           | IV   | 108         | 37  | 145   | 17       | 5  | 7  | 1 | 37  | 18 | 7        | 3 | 40      | 10 | 145   |
| Computer Science and Engineering          | I    | 156         | 85  | 241   | 14       | 8  | 3  | 3 | 60  | 32 | 7        | 5 | 72      | 37 | 241   |
|                                           | II   | 162         | 104 | 266   | 18       | 10 | 1  | 4 | 59  | 43 | 10       | 5 | 74      | 42 | 266   |
|                                           | III  | 175         | 90  | 265   | 14       | 10 | 8  | 2 | 71  | 35 | 6        | 2 | 76      | 41 | 265   |
|                                           | IV   | 161         | 108 | 269   | 16       | 12 | 3  | 3 | 68  | 28 | 5        | 4 | 69      | 61 | 269   |
| Information Technology                    | I    | 78          | 41  | 119   | 10       | 5  | 5  | 1 | 33  | 17 | 3        | 1 | 27      | 17 | 119   |
|                                           | II   | 86          | 46  | 132   | 14       | 4  | 2  | 1 | 33  | 16 | 6        | 1 | 31      | 24 | 132   |
|                                           | III  | 87          | 45  | 132   | 10       | 4  | 2  | 0 | 39  | 19 | 5        | 0 | 31      | 22 | 132   |
|                                           | IV   | 63          | 55  | 118   | 7        | 1  | 1  | 1 | 24  | 17 | 4        | 2 | 27      | 34 | 118   |
| Electronics and Communication Engineering | I    | 164         | 76  | 240   | 19       | 7  | 8  | 2 | 74  | 39 | 12       | 0 | 51      | 28 | 240   |
|                                           | II   | 167         | 97  | 264   | 19       | 12 | 11 | 1 | 73  | 42 | 7        | 5 | 57      | 37 | 264   |
|                                           | III  | 166         | 98  | 264   | 16       | 15 | 8  | 3 | 58  | 38 | 11       | 0 | 73      | 42 | 264   |
|                                           | IV   | 182         | 108 | 290   | 24       | 10 | 9  | 3 | 80  | 42 | 9        | 3 | 60      | 50 | 290   |
| Electrical and Electronics Engineering    | I    | 34          | 6   | 40    | 7        | 1  | 1  | 1 | 14  | 4  | 1        | 0 | 11      | 0  | 40    |
|                                           | II   | 100         | 33  | 133   | 9        | 7  | 10 | 1 | 61  | 15 | 3        | 1 | 17      | 9  | 133   |
|                                           | III  | 91          | 41  | 132   | 11       | 7  | 6  | 0 | 49  | 21 | 4        | 0 | 21      | 13 | 132   |
|                                           | IV   | 107         | 39  | 146   | 16       | 5  | 6  | 1 | 57  | 19 | 3        | 0 | 25      | 14 | 146   |
| Mechanical Engineering                    | I    | 51          | 9   | 60    | 8        | 1  | 4  | 1 | 22  | 3  | 4        | 0 | 12      | 4  | 59    |
|                                           | II   | 117         | 16  | 133   | 19       | 2  | 5  | 0 | 64  | 6  | 4        | 0 | 25      | 8  | 133   |
|                                           | III  | 115         | 18  | 133   | 19       | 1  | 4  | 0 | 52  | 11 | 4        | 0 | 36      | 6  | 133   |
|                                           | IV   | 131         | 12  | 143   | 18       | 0  | 6  | 0 | 64  | 8  | 6        | 0 | 37      | 4  | 143   |
| Civil Engineering                         | I    | 36          | 12  | 48    | 4        | 3  | 3  | 0 | 22  | 5  | 3        | 0 | 5       | 3  | 48    |
|                                           | II   | 105         | 29  | 134   | 18       | 5  | 10 | 4 | 54  | 13 | 6        | 1 | 17      | 6  | 134   |
|                                           | III  | 102         | 33  | 135   | 11       | 3  | 7  | 2 | 52  | 17 | 5        | 1 | 27      | 10 | 135   |
|                                           | IV   | 110         | 37  | 147   | 18       | 9  | 4  | 2 | 52  | 12 | 11       | 1 | 25      | 13 | 147   |
| AIML                                      | I    | 43          | 17  | 60    | 2        | 3  | 0  | 1 | 17  | 7  | 2        | 0 | 22      | 6  | 60    |
| CS-DS                                     | I    | 33          | 27  | 60    | 5        | 2  | 1  | 0 | 14  | 11 | 2        | 0 | 15      | 10 | 60    |
| CS-CS                                     | I    | 47          | 13  | 60    | 7        | 0  | 1  | 1 | 16  | 5  | 3        | 0 | 20      | 7  | 60    |
| CS-IT                                     | I    | 38          | 22  | 60    | 3        | 2  | 3  | 1 | 15  | 8  | 4        | 0 | 13      | 11 | 60    |
| TOTAL                                     |      | 328         | 145 | 474   | 40       | 16 | 15 | 4 | 145 | 59 | 18       | 4 | 110     | 60 | 474   |
|                                           |      | 8           | 9   |       | 3        | 8  | 3  | 7 | 2   | 4  | 1        | 0 | 4       | 5  |       |

## Student Profile & Achievements

### ON ROLL PG STUDENT'S DATA FOR THE AY 2020-2021

| Departmen<br>t                             | Yea<br>r | Gender<br>Wise |    | Tota<br>l | Category |    |    |   |     |    |          |   |         |    | Tota<br>l |
|--------------------------------------------|----------|----------------|----|-----------|----------|----|----|---|-----|----|----------|---|---------|----|-----------|
|                                            |          |                |    |           | SC       |    | ST |   | OBC |    | Minority |   | General |    |           |
|                                            |          | M              | F  |           | M        | F  | M  | F | M   | F  | M        | F |         |    |           |
| Aerospace<br>Engineerin<br>g               | I        | 3              | 0  | 3         | 0        | 0  | 0  | 0 | 0   | 0  | 0        | 0 | 3       | 0  | 3         |
|                                            | II       | 14             | 4  | 18        | 2        | 1  | 1  | 1 | 4   | 0  | 0        | 1 | 7       | 1  | 18        |
| Computer<br>Science and<br>Engineerin<br>g | I        | 4              | 2  | 6         | 0        | 0  | 0  | 0 | 2   | 1  | 0        | 0 | 2       | 1  | 6         |
|                                            | II       | 4              | 5  | 9         | 1        | 0  | 0  | 0 | 2   | 1  | 0        | 0 | 1       | 4  | 9         |
| Embedded<br>Systems                        | I        | 2              | 5  | 7         | 1        | 1  | 0  | 1 | 1   | 2  | 0        | 1 | 0       | 0  | 7         |
|                                            | II       | 2              | 4  | 6         | 0        | 2  | 1  | 0 | 0   | 1  | 0        | 0 | 1       | 1  | 6         |
| Electrical<br>Power<br>System              | I        | 6              | 3  | 9         | 4        | 1  | 0  | 1 | 1   | 0  | 0        | 1 | 1       | 0  | 9         |
|                                            | II       | 4              | 6  | 10        | 0        | 1  | 0  | 0 | 4   | 4  | 0        | 0 | 0       | 1  | 10        |
| CAD/CAM                                    | I        | 5              | 0  | 5         | 0        | 0  | 2  | 0 | 3   | 0  | 0        | 0 | 0       | 0  | 5         |
|                                            | II       | 10             | 0  | 10        | 1        | 0  | 0  | 0 | 4   | 0  | 3        | 0 | 2       | 0  | 10        |
| Structural<br>Engineerin<br>g              | I        | 10             | 7  | 17        | 2        | 1  | 1  | 0 | 3   | 3  | 0        | 2 | 4       | 1  | 17        |
|                                            | II       | 8              | 5  | 13        | 1        | 1  | 0  | 0 | 3   | 3  | 2        | 0 | 2       | 1  | 13        |
| MBA                                        | I        | 31             | 29 | 60        | 6        | 4  | 2  | 1 | 13  | 14 | 0        | 0 | 10      | 10 | 60        |
|                                            | II       | 24             | 26 | 50        | 2        | 5  | 0  | 0 | 12  | 9  | 3        | 2 | 7       | 10 | 50        |
| TOTAL                                      |          | 127            | 96 | 223       | 20       | 17 | 7  | 4 | 52  | 38 | 8        | 7 | 40      | 30 | 223       |

## RESULTS

Result of B. tech Final Year students

| S.No  | Name of the Branch | Total Students Appeared |     |     | Total students passed |     |     | Total passed Percentage |
|-------|--------------------|-------------------------|-----|-----|-----------------------|-----|-----|-------------------------|
|       |                    | M                       | F   | T   | M                     | F   | T   |                         |
| 1     | AE                 | 94                      | 35  | 129 | 82                    | 34  | 116 | 96.23%                  |
| 2     | CSE                | 139                     | 95  | 234 | 133                   | 93  | 226 | 96.58%                  |
| 3     | IT                 | 24                      | 29  | 53  | 23                    | 29  | 52  | 98.11%                  |
| 4     | ECE                | 147                     | 88  | 235 | 136                   | 86  | 222 | 94.47%                  |
| 5     | EEE                | 48                      | 15  | 63  | 47                    | 14  | 61  | 96.83%                  |
| 6     | MECH               | 118                     | 13  | 131 | 107                   | 13  | 120 | 91.60%                  |
| 7     | CE                 | 97                      | 33  | 130 | 90                    | 32  | 122 | 93.85%                  |
| Total |                    | 667                     | 308 | 975 | 618                   | 301 | 919 | 94.26%                  |

## Student Profile & Achievements

### Roll of Honour

#### Aeronautical Engineering

| S No | Hall ticket No. | Student Name            | CGPA | Rank |
|------|-----------------|-------------------------|------|------|
| 1    | 17951A2136      | Ms. K Madhulaalasa      | 9.67 | I    |
| 2    | 17951A2180      | Ms. Chamakura Sai Priya | 9.49 | II   |
| 3    | 17951A21A8      | Ms. R Tejaswi           | 9.4  | III  |
| 4    | 17951A2173      | Ms. C Rashmitha         | 9.27 | IV   |
| 5    | 17951A2139      | Ms. Manisha Choudary M  | 9.19 | V    |

#### Civil Engineering

| S No | Hall ticket No. | Student Name                | CGPA | Rank |
|------|-----------------|-----------------------------|------|------|
| 1    | 18955A0104      | Ms. Palvai Divya            | 9.39 | I    |
| 2    | 17951A0181      | Mr. Mandadi Saimadhan Reddy | 9.36 | II   |
| 3    | 18955A0112      | Ms. Narra Pavani            | 9.22 | III  |
| 4    | 17951A0133      | Ms. Tanuku Lavanya          | 9.16 | IV   |
| 5    | 17951A0167      | Mr. Annabattuni Raviteja    | 9.11 | V    |

#### Computer Science & Engineering

| S No | Hall ticket No. | Student Name            | CGPA | Rank |
|------|-----------------|-------------------------|------|------|
| 1    | 17951A05D1      | Ms. Battu Ramya Reddy   | 9.43 | I    |
| 2    | 17951A05E1      | Ms. Kannaiahgari Sahith | 9.38 | II   |
| 3    | 17951A0512      | Mr. Kasam Alakanandai   | 9.36 | III  |
| 4    | 17951A05J0      | Ms. Soma Shrenika       | 9.36 | III  |
| 5    | 17951A0529      | Ms. Thatikonda Bhavani  | 9.27 | IV   |

#### Electronics & Communication Engineering

| S No | Hall ticket No. | Student Name                | CGPA | Rank |
|------|-----------------|-----------------------------|------|------|
| 1    | 17951A0402      | Mr. Vaddeboina Abhijith Tej | 9.27 | I    |
| 2    | 17951A04B7      | Ms. Chinthala Poojitha      | 9.27 | I    |
| 3    | 17951A04C2      | Ms. Mothe Pranathi          | 9.24 | II   |
| 4    | 17951A04H4      | Ms. Machavaram Saranya      | 9.24 | II   |
| 5    | 17951A04K5      | Ms. Yasala Spandhana        | 9.23 | III  |

## Student Profile & Achievements

### Electrical and Electronics Engineering

| S No | Hall ticket No. | Student Name                 | CGPA | Rank |
|------|-----------------|------------------------------|------|------|
| 1    | 17951A0278      | Mr. Muppidi Saikrishna Reddy | 9.27 | I    |
| 2    | 17951A0288      | Ms. Peddi Sravani            | 9.09 | II   |
| 3    | 17951A02A6      | Ms. Ananthoji Vignatha       | 9.06 | III  |
| 4    | 17951A0287      | Ms. Mummadisetty Sravani     | 8.99 | IV   |
| 5    | 18955A0217      | Mr. Shaik Yousuf Ahmed       | 8.99 | IV   |

### Information Technology

| S No | Hall ticket No. | Student Name            | CGPA | Rank |
|------|-----------------|-------------------------|------|------|
| 1    | 17951A1258      | Ms. Kuncharam Priyanka  | 9.64 | I    |
| 2    | 17951A1279      | Ms. Geggapally Shivani  | 9.43 | II   |
| 3    | 17951A1289      | Ms. Chinnareddy Srivani | 9.43 | II   |
| 4    | 17951A1280      | Ms. K Shivani Reddy     | 9.27 | III  |
| 5    | 17951A12A3      | Ms. Mashetty Varsha     | 9.24 | IV   |

### Mechanical Engineering

| S No | Hall ticket No. | Student Name            | CGPA | Rank |
|------|-----------------|-------------------------|------|------|
| 1    | 17951A0352      | Ms. Ruchika Shaji       | 9.44 | I    |
| 2    | 17951A0349      | Mr. Keeravaru Ranadheer | 9.20 | II   |
| 3    | 17951A0304      | Mr. Abrar Ahmed         | 9.16 | III  |
| 4    | 17951A0329      | Mr. A Kevin Charles     | 9.08 | IV   |
| 5    | 17951A0339      | Ms. Valaboju Navya Sree | 9.06 | V    |

### Master of Business Administration

| S No | Hall ticket No. | Student Name               | CGPA | Rank |
|------|-----------------|----------------------------|------|------|
| 1    | 19951E0021      | Ms. Prathigadapa Prasanna  | 9.42 | I    |
| 2    | 19951E0014      | Ms. Vadla Lakshmi Prasanna | 9.37 | II   |
| 3    | 19951E0015      | Ms. Karra Laxmi Keerthana  | 9.3  | III  |

### PLACEMENTS

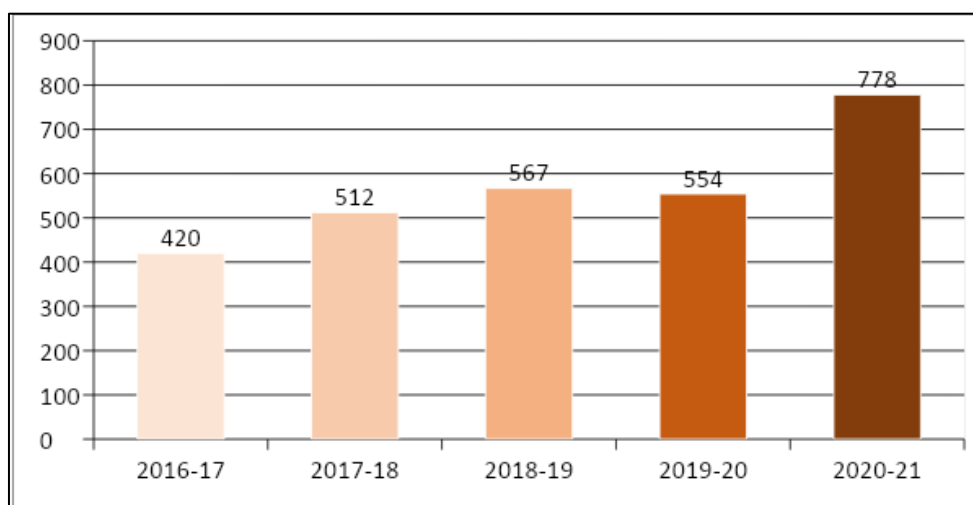
#### Placement Details 2020-21

| S.No | Name of the Company                 | No of Students Selected | Date Visited | Salary Offered Per Annum (₹) |
|------|-------------------------------------|-------------------------|--------------|------------------------------|
| 1    | JUSPAY                              | 1                       | 17-Oct-21    | 15,00,000/-                  |
| 2    | CAPGEMINI                           | 75                      | 20-Oct-20    | 3,80,000/-                   |
| 3    | LARSEN AND TOUBRO INFOTECH - (LTI)  | 40                      |              |                              |
|      | INFINITY Level - 3                  | 1                       | 10-May-21    | 10,00,000/-                  |
|      | INFINITY Level - 2                  | 13                      | 10-May-21    | 8,00,000/-                   |
|      | Level - 2                           | 20                      | 17 Oct, 2020 | 5,00,000/-                   |
|      | Level - 1                           | 6                       | 17 Oct, 2020 | 3,50,000/-                   |
| 4    | TATA CONSULTANCY SERVICES - (TCS)   | 127                     |              |                              |
|      | DIGITAL                             | 9                       | 07 Oct, 2020 | 7,00,000/-                   |
|      | CODEVITA                            | 28                      | 07 Oct, 2020 | 3,50,000/-                   |
|      | NQT                                 | 90                      | 28 Dec, 2020 | 3,50,000/-                   |
| 5    | INFOSYS                             | 27                      |              |                              |
|      | POWER PROGRAMMERS                   | 1                       | 20-Oct-20    | 8,00,000/-                   |
|      | SYSTEM PROGRAMMERS                  | 16                      | 09-Nov-20    | 5,00,000/-                   |
|      | SYSTEM ENGINEERS                    | 10                      | 27-Nov-20    | 3,60,000/-                   |
| 6    | HEXAWARE TECHNOLOGIES               | 33                      | 18-Dec-20    | 3,50,000/-                   |
| 7    | IBI GROUP                           | 2                       | 09-Oct-20    | 7,00,000/-                   |
| 8    | OPTUM                               | 10                      | 03-Nov-20    | 5,00,000/-                   |
| 9    | VIRTUSA                             | 1                       | 05-Nov-20    | 5,50,000/-                   |
| 10   | MINDTREE                            | 42                      | 25-Nov-20    | 2,97,000/-                   |
| 11   | BNP PARIBAS INDIA SOLUTIONS PVT LTD | 5                       | 26-Nov-20    | 5,25,000/-                   |
| 12   | TEK SYSTEMS                         | 2                       | 06-Dec-20    | 6,00,000/-                   |
| 13   | TVARANA                             | 4                       | 10-Dec-20    | 4,00,000/-                   |
| 14   | COGNIZANT                           | 105                     |              |                              |
|      | GenC                                | 104                     | 19-Dec-20    | 4,00,000/-                   |
|      | GenC Next                           | 1                       | 30-Dec-20    | 7,00,000/-                   |
| 15   | HASHEDIN TECHNOLOGIES               | 1                       | 06-Jan-21    | 8,00,000/-                   |
| 16   | PURPLE TALK INDIA PVT LTD           | 4                       | 20-Jan-21    | 3,50,000/-                   |
| 17   | CARBYNETECH                         | 1                       | 28-Feb-21    | 4,80,000/-                   |
| 18   | RENAULT NISSAN                      | 12                      | 08-Mar-21    | 1,80,000/-                   |
| 19   | NTT DATA                            | 13                      | 12-Mar-21    | 3,50,000/-                   |
| 20   | TVS SUNDARAM FASTENERS LTD          | 17                      | 23-Mar-21    | 1,70,000/-                   |
| 21   | MTX Group                           | 2                       | 26-Mar-21    | 6,50,000/-                   |
| 22   | MAXVAL                              | 2                       | 30-Apr-21    | 3,00,000/-                   |

## Student Profile & Achievements

|                     |                                |     |           |             |
|---------------------|--------------------------------|-----|-----------|-------------|
| 23                  | TATA ADVANCED SYSTEMS LIMITED  | 1   | 29-Apr-21 | 3,99,000/-  |
| 24                  | ACCENTURE                      | 123 | 08-May-21 | 4,50,000/-  |
| 25                  | MPHASIS                        | 32  | 08-May-21 | 3,25,000/-  |
| 26                  | APTROID                        | 1   | 05-May-21 | 3,00,000/-  |
| 27                  | WINWIRE                        | 2   | 10-Mar-21 | 3,00,000/-  |
| 28                  | ENH iSECURE                    | 2   | 15-Mar-21 | 3,60,548/-  |
| 29                  | HCL TECHNOLOGIES               | 21  | 12-May-21 | 3,50,000/-  |
| 30                  | SANDVINE TECHNOLOGIES          | 3   | 15-May-21 | 11,00,000/- |
| 31                  | KASSTECH AEROSPACE AND DEFENCE | 1   | 16-May-21 | 4,50,000/-  |
| 32                  | KPIT                           | 2   | 17-May-21 | 3,60,000/-  |
| 33                  | CLOUD 4C (A CTRLS company)     | 5   | 18-May-21 | 3,75,000/-  |
| 34                  | WILEY MYTREE                   | 2   | 27-May-21 | 11,00,000/- |
| 35                  | TEMENOS                        | 9   | 28-May-21 | 5,50,000/-  |
| 36                  | EPAM SYSTEMS                   | 3   | 04-Jun-21 | 4,00,000/-  |
| 37                  | TURITO INDIA PVT LTD           | 1   | 07-Jun-21 | 4,00,000/-  |
| 38                  | WIPRO                          | 29  | 07-Jun-21 | 3,50,000/-  |
| 39                  | ZEMOSO TECHNOLOGIES            | 2   | 30-Jun-21 | 6,89,000/-  |
| 40                  | TRELL                          | 1   | 25-Jun-21 | 14,00,000/- |
| 41                  | PROKARMA                       | 2   | 07-Jul-21 | 3,00,000/-  |
| 42                  | PREMIER ENERGIES               | 1   | 20-Jul-21 | 3,12,957/-  |
| 43                  | KPMG                           | 5   |           | 5,00,000/-  |
| 44                  | HARMAN                         | 1   |           | 5,00,000/-  |
| 45                  | INFOR                          | 1   |           | 5,00,000/-  |
| 46                  | SOCIETE GENERAL                | 1   |           | 4,75,000/-  |
| 47                  | IVY INFOTECH                   | 1   |           | 8,00,000/-  |
| Total No. of Offers |                                | 778 |           |             |

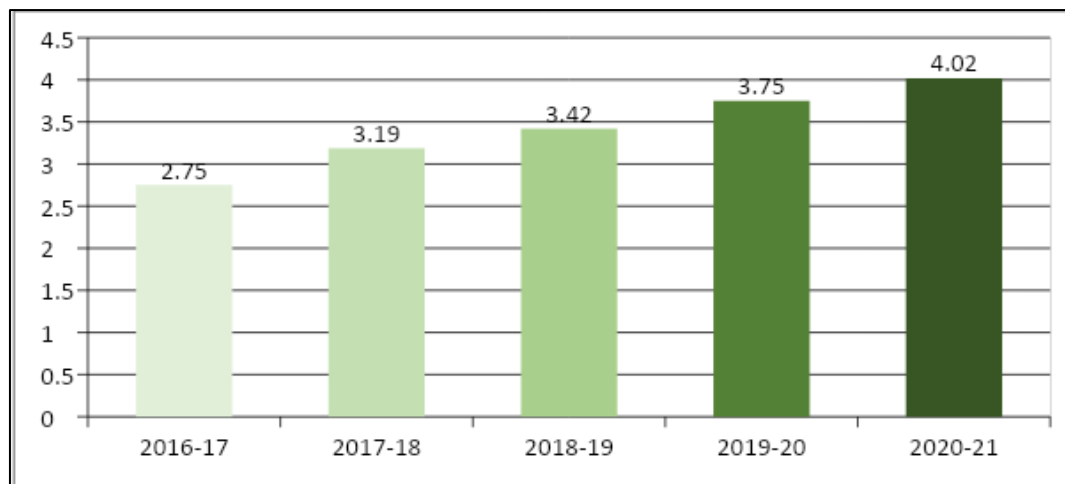
## PLACEMENTS IN LAST FIVE YEARS



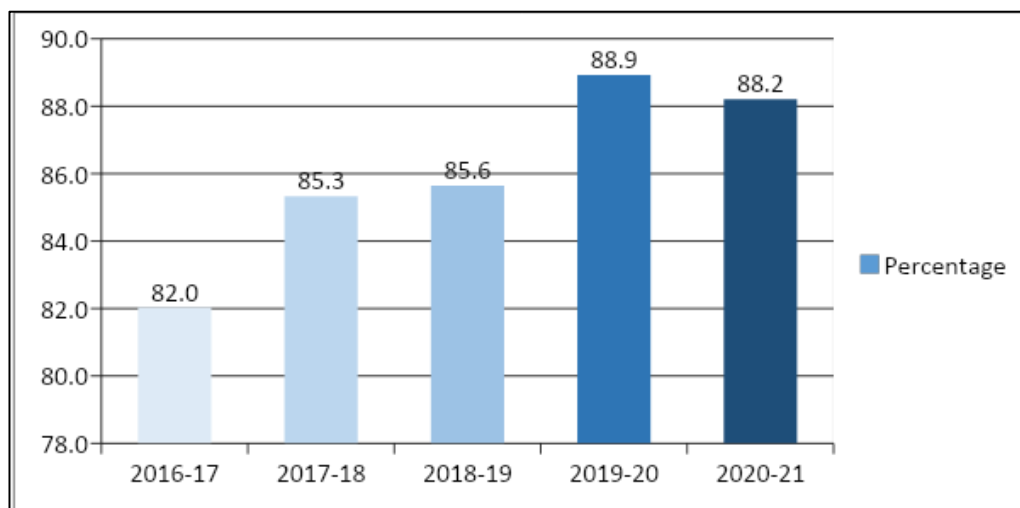
## AVG. SALARY PER ANNUM IN LAKHS



## Student Profile & Achievements



## PERCENTAGE OF PLACED STUDENTS



OUR RECRUITERS



## Student Profile & Achievements

### GATE QUALIFIED STUDENTS

The list of students qualified the gate exam during 2020-21.

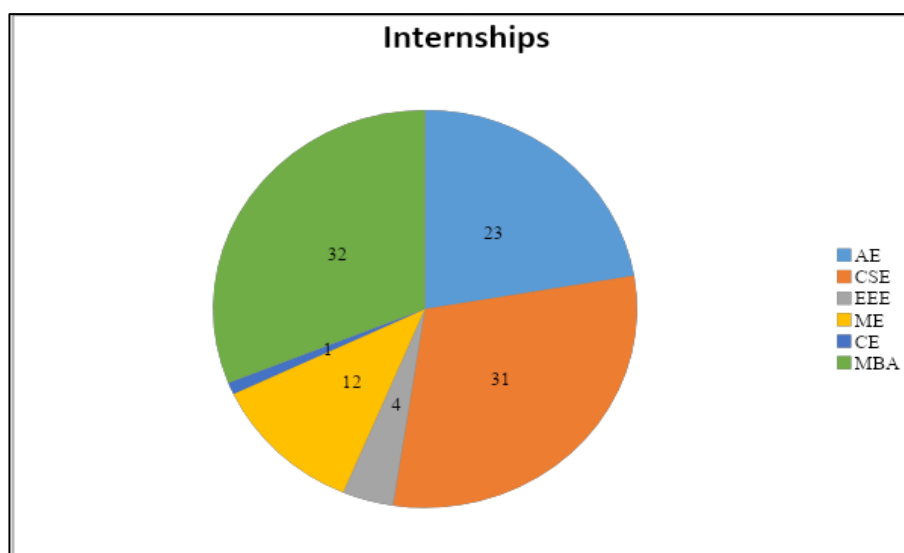
| S.No | Roll No.   | Name                                     | Regd No       | Gate paper                                | Rank  | Score |
|------|------------|------------------------------------------|---------------|-------------------------------------------|-------|-------|
| 1    | 17951A2193 | Mr. M.Shivateja Reddy                    | AE21S21404206 | Aerospace Engineering                     | 39    | 712   |
| 2    | 17951A2136 | Ms K.Mahulaalasa                         | AE21S21410092 | Aerospace Engineering                     | 64    | 658   |
| 3    | 17951A21B7 | Mr. P.Vineeth                            | AE21S21404212 | Aerospace Engineering                     | 152   | 554   |
| 4    | 17951A2122 | Ms. D.Divya Govind                       | AE21S21410028 | Aerospace Engineering                     | 336   | 459   |
| 5    | 17951A2107 | Mr. Anil Kumar                           | AE21S21401052 | Aerospace Engineering                     | 355   | 450   |
| 6    | 16951A2139 | Ms. M.Manisha Chowdary                   | AE21S21404464 | Aerospace Engineering                     | 496   | 400   |
| 7    | 17951A2137 | Mr. B. Manish Kumar                      | EC20S47416151 | Aerospace Engineering                     | 530   |       |
| 8    | 17951A21C0 | Ms. N.Yashaswi                           | AE21S21404200 | Aerospace Engineering                     | 575   | 378   |
| 9    | 17951A2155 | Mr. NivedKanuganti                       | AE21S21404236 | Aerospace Engineering                     | 575   | 378   |
| 10   | 17951A2189 | Ms. G.Sharvani                           | AE21S27420016 | Aerospace Engineering                     | 645   | 359   |
| 11   | 17951A21A8 | Ms. Tejaswi R                            | AE21S21409228 | Aerospace Engineering                     | 665   | 355   |
| 12   | 17951A2125 | Ms. Gunjan Kumari                        | AE21S21409096 | Aerospace Engineering                     | 772   | 332   |
| 13   | 18951A2117 | Mr. Chinthala.Bhargav                    | AE21S21405182 | Aerospace Engineering                     | 1044  | 292   |
| 14   | 18951A2104 | Mr. Yerramilli Akhilesh                  |               | Aerospace Engineering                     | 478   | 405   |
| 15   | 17951A2154 | Mr Niranjan Kumar Bonthu                 | AE21S21405368 | Aerospace Engineering                     | 1567  | 233   |
| 16   | 18955A0114 | Mr. Nagarakunta Praneeth                 | CE21S11410165 | Civil Engineering                         | 29933 | 256   |
| 17   | 17951A0120 | Mr. Ch. Ganesh                           | ES21S41403384 | Environmental Science & Engineering       | 1542  | 334   |
| 18   | 17951A05M3 | Mr. G Upender Reddy                      | CS21S61409688 | Computer Science & Information Technology | 9475  | 406   |
| 19   | 17951A05N1 | Mr. Krishna Vamshi Venkata Sai POTHARAJU | CS21S61405391 | Computer Science & Information Technology | 6028  | 464   |

## Student Profile & Achievements

|    |            |                          |               |                                         |       |       |
|----|------------|--------------------------|---------------|-----------------------------------------|-------|-------|
| 20 | 17951A0404 | Mr. Abhinay Desabhatla   | EC21S41405316 | Electronics & Communication Engineering | 8524  | 350   |
| 21 | 17951A0459 | Mr. Baladhari Jai Kiran  | EC21S41408469 | Electronics & Communication Engineering | 8226  | 355   |
| 22 | 18951A04E8 | Mr. R. Sai Sanketh       | EC21S41409241 | Electronics & Communication Engineering | 8524  | 350   |
| 23 | 18951A2139 | Mr. N.Lakshmi Narasimhan | AE21S21405542 | Electronics & Communication Engineering | 8524  | 350   |
| 24 | 17951A0240 | Mr. Manohar Prakash      | EE21S31403047 | Electrical Engineering                  | 6343  | 452   |
| 25 | 17951A0240 | Manohar Prakash          |               | Instrumentation Engineering             | 2254  | 391   |
| 26 | 17951A0339 | Ms. Valaboju Navya Sree  | ME21S71404774 | Mechanical Engineering                  | 20344 | 30.11 |

## STUDENT INTERNSHIPS

| Sno | Name of the Branch | No. Of students Placed in Internships |
|-----|--------------------|---------------------------------------|
| 1   | AE                 | 23                                    |
| 2   | CSE                | 31                                    |
| 3   | EEE                | 4                                     |
| 4   | ME                 | 12                                    |
| 5   | CE                 | 1                                     |
| 6   | MBA                | 32                                    |



## Student Profile & Achievements

| Sno | Students Name                           | Roll No.   | Dept. | Organization                                    | From Date  | To date    |
|-----|-----------------------------------------|------------|-------|-------------------------------------------------|------------|------------|
| 1   | Mr. P. Shishir                          | 17951A2190 | Aero  | Tata Advanced Systems Limited, Maheswaram       | 01-10-2020 | 01-11-2020 |
| 2   | Mr. P. Venkata Sai Prasad               | 17951A21B6 | Aero  | Tata Advanced Systems Limited, Maheswaram       | 01-10-2020 | 01-11-2020 |
| 3   | Mr. S.K.V. Mani Kasulu                  | 17951A21B5 | Aero  | Tata Advanced Systems Limited, Maheswaram       | 01-10-2020 | 01-11-2020 |
| 4   | Mr. K..V. Sruthvik Sandilya             | 17951A2177 | Aero  | Tata Advanced Systems Limited, Maheswaram       | 01-10-2020 | 01-11-2020 |
| 5   | Mr. Ghulekar Varun                      | 17951A21B3 | Aero  | Gmr Air Cargo And Aerospace Engineering Limited | 17-06-2020 | 30-06-2020 |
| 6   | Mr. Ghulekar Varun                      | 17951A21B3 | Aero  | Varad Extrusions Pvt.Ltd                        | 15-02-2021 | 17-05-2021 |
| 7   | Mr. P.Vineeth                           | 17951A21B7 | Aero  | Avionics Division, Hal Hyderabad                | 24-03-2021 | 23-05-2021 |
| 8   | Mr. N. Yashaswi                         | 17951A21C0 | Aero  | Avionics Division, Hal Hyderabad                | 24-03-2021 | 23-05-2021 |
| 9   | Mr. M Shiva Teja Reddy                  | 17951A2193 | Aero  | Avionics Division, Hal Hyderabad                | 25-03-2021 | 24-05-2021 |
| 10  | Mr. Shreyas Kota                        | 17951A2195 | Aero  | Avionics Division, Hal Hyderabad                | 25-03-2021 | 24-05-2021 |
| 11  | Ms. Gollapalli Siva Rama Naga Pratyusha | 17951A2197 | Aero  | Tata Sikorsky Pvt. Ltd.                         | 09-12-2020 | 13-03-2021 |
| 12  | Mr. Kotam Ajay Kumar Reddy              | 17951A2104 | Aero  | Greenphi Technologies                           | 08-03-2021 | 31-05-2021 |
| 13  | Ms. K. Madhulaalasa                     | 17951A2136 | Aero  | Bharat Dynamics Limited, Hyderabad              | 24-02-2021 | 23-05-2021 |
| 14  | Mr. Noti Manohar                        | 17951A2140 | Aero  | Greenphi Technologies                           | 08-03-2021 | 31-05-2021 |
| 15  | Mr.Aaqib Farooq                         | 17951A2159 | Aero  | Greenphi Technologies                           | 08-03-2021 | 31-05-2021 |
| 16  | Ms. Prayuktha Bendadi                   | 17951A2164 | Aero  | DRDO,Hyderabad                                  | 15-02-2021 | 01-05-2021 |
| 17  | Mr. Ram Sai                             | 17951a2171 | Aero  | Air India                                       | 10-02-2021 | 27-04-2021 |
| 18  | Mr. K.V.S.Ruthvik Sandilya              | 17951A2177 | Aero  | DRDO,Hyderabad                                  | 28-02-2021 | 15-05-2021 |
| 19  | Mr. P.Partha sai reddy                  | 17951A2181 | Aero  | DRDO,Hyderabad                                  | 15-02-2021 | 01-05-2021 |
| 20  | Ms. Manisha Choudary.M                  | 17951A2139 | Aero  | ASL-DRDO, Hyderabad                             | 10-02-2021 | 30-06-2021 |
| 21  | Mr. Kanuganti Nived                     | 17951A2155 | Aero  | Drdl, hyderabad                                 | 01-03-2021 | 15-06-2021 |
| 22  | Mr. Nalukala Omkar                      | 17951A2156 | Aero  | Drdl, hyderabad                                 | 01-03-2021 | 15-06-2021 |
| 23  | Mr. M Pramod                            | 17951A2161 | Aero  | Drdl, hyderabad                                 | 04-02-2021 | 03-06-2021 |
| 24  | Mr. M Ajit Goud                         | 18955A0101 | CE    | GR Engineering Consultants                      | 01-03-2021 | 31-07-2021 |
| 25  | Mr. R. Vikrant Sagar                    | 17951A05P1 | CSE   | IIT BHU                                         | 01-06-2020 | 30-07-2020 |



## Student Profile & Achievements

|    |                                 |            |     |                                               |            |            |
|----|---------------------------------|------------|-----|-----------------------------------------------|------------|------------|
| 26 | Ms. Illendula Sai Prathyusha    | 17951A05F4 | CSE | Virtuso Apps Pvt. Ltd                         | 10-01-2021 | 30-03-2021 |
| 27 | Mr. Gade Dinesh                 | 17951A0544 | CSE | Zolostays Property Solutions Pvt. Ltd.        | 01-07-2020 | 31-08-2020 |
| 28 | Ms. Ramini Gouri Priya          | 17951A0555 | CSE | Zolostays Property Solutions Pvt. Ltd.        | 01-07-2020 | 31-08-2020 |
| 29 | Mr. Damarla Hari Praneeth       | 17951A0559 | CSE | Zolostays Property Solutions Pvt. Ltd.        | 01-07-2020 | 31-08-2020 |
| 30 | Ms. Yamjal Jaya Sree            | 17951A0566 | CSE | Cognizant Technology Solutions India Pvt. Ltd |            |            |
| 31 | Mr. Boyapati Krishna Chandra    | 17951A0573 | CSE | Myinstapass Business Solutions Pvt Ltd        | 08-03-2020 | 08-09-2020 |
| 32 | Mr. Mavurapu Vinay Kumar        | 17951A05P2 | CSE | Wipro Limited                                 | 11-01-2021 | 19-03-2021 |
| 33 | Mr. Chittampalli Sai Prakash    | 17951A05F3 | CSE | IBI                                           | 14-10-2020 |            |
| 34 | Mr. Sourav Dutta                | 17951A05J7 | CSE | KPMG                                          | 1 Month    | 19-08-2020 |
| 35 | Mr. Sourav Dutta                | 17951A05J7 | CSE | JP Morgan Chase & Co.                         | 1 Month    | 19-08-2020 |
| 36 | Mr. Sourav Dutta                | 17951A05J7 | CSE | Deloitte                                      | 1 Month    | 20-08-2020 |
| 37 | Mr. Chalimalla Vasishta         | 17951A05M7 | CSE | Deloitte                                      | 1 Month    | 12-08-2020 |
| 38 | Mr. Chalimalla Vasishta         | 17951A05M7 | CSE | JP Morgan Chase & Co.                         | 1 Month    | 12-08-2020 |
| 39 | Mr. Chalimalla Vasishta         | 17951A05M7 | CSE | KPMG                                          | 1 Month    | 12-08-2020 |
| 40 | Mr. Chikkam Veeresh             | 17951A05M8 | CSE | Deloitte                                      | 1 Month    | 04-07-2020 |
| 41 | Mr. Chikkam Veeresh             | 17951A05M8 | CSE | JP Morgan Chase & Co.                         | 1 Month    | 04-07-2020 |
| 42 | Mr. Chikkam Veeresh             | 17951A05M8 | CSE | KPMG                                          | 1 Month    | 04-07-2020 |
| 43 | Ms. Agutla Ruchitha             | 18951A05C7 | CSE | JP Morgan Chase & Co.                         | 1 Month    | 06-08-2020 |
| 44 | Ms. Pasam Rushitha              | 18951A05C8 | CSE | JP Morgan Chase & Co.                         | 1 Month    | 20-07-2020 |
| 45 | Ms. Maheswaram Sai Deepthi      | 18951A05D3 | CSE | JP Morgan Chase & Co.                         | 1 Month    | 04-03-2021 |
| 46 | Ms. Sidda Sai Hasini            | 18951A05D4 | CSE | KPMG                                          | 1 Month    | 20-03-2021 |
| 47 | Ms. Sidda Sai Hasini            | 18951A05D4 | CSE | Forge                                         | 1 Month    | 25-03-2021 |
| 48 | Ms. Sidda Sai Hasini            | 18951A05D4 | CSE | JP Morgan Chase & Co.                         | 1 Month    | 02-07-2020 |
| 49 | Ms. Gandham Sai Lakshmi Mounika | 18951A05D7 | CSE | JP Morgan Chase & Co.                         | 1 Month    | 20-07-2020 |
| 50 | Ms. Penmetsa Sai Samyuktha      | 18951A05E1 | CSE | JP Morgan Chase & Co.                         | 1 Month    | 30-07-2020 |
| 51 | Mr. Vallepu Saiteja             | 18951A05E8 | CSE | OneAutoMax(Sahasraaditya Techno Solutions)    | 08-05-2020 | 07-08-2020 |
| 52 | Mr. Satwik Kondapalli           | 18951A05G0 | CSE | Smartknower                                   | 01-12-2020 | 31-01-2021 |

## Student Profile & Achievements

|    |                                |            |      |                                             |            |            |
|----|--------------------------------|------------|------|---------------------------------------------|------------|------------|
| 53 | Mr. Mokireddy Aravind Reddy    | 18951A0582 | CSE  | Microsoft Partner                           | 01-06-2020 | 01-08-2020 |
| 54 | Ms. Sai Teja Alapati           | 19951A05F2 | CSE  | Unschool                                    | 4 Weeks    | 02-11-2020 |
| 55 | Mr. Ramarapu Manish Sagar      | 20951A0582 | CSE  | Internify Through Internshala               |            | 29-01-2021 |
| 56 | Ms. A Sahithi                  | 17951A0269 | EEE  | Verticross india pvt.ltd                    | 01-03-2021 | 01-04-2021 |
| 57 | Ms. E Sravani                  | 17951A0284 | EEE  | Verticross india pvt.ltd                    | 01-03-2021 | 01-04-2021 |
| 58 | Ms. B L S Tejaswi              | 17951A0277 | EEE  | Verticross india pvt.ltd                    | 01-03-2021 | 01-04-2021 |
| 59 | Mr. Vishal Shindre             | 17951A02A9 | EEE  | Wall Mag Global Pvt. Ltd                    | 04-01-2021 | 04-05-2021 |
| 60 | Mr. P.Venkat Rao               | 19955A0315 | MECH | Dynamic Tools Pvt.Ltd,Balanagar             | 29-03-2021 | 20-04-2021 |
| 61 | Ms. P.Keerthi Priya            | 18951A0344 | MECH | Dynamic Tools Pvt.Ltd,Balanagar             | 29-03-2021 | 20-04-2021 |
| 62 | Ms. G.Keerthana                | 18951A0343 | MECH | Dynamic Tools Pvt.Ltd,Balanagar             | 29-03-2021 | 20-04-2021 |
| 63 | Ms. B.kalpana                  | 19955A0306 | MECH | Dynamic Tools Pvt.Ltd,Balanagar             | 29-03-2021 | 20-04-2021 |
| 64 | Mr. Shaik Riyaz Ahmed          | 19951A0359 | MECH | Shine Projects                              | 13-07-2020 | 13-08-2020 |
| 65 | Mr. Vivek Chakravarthy         | 17951A03A9 | MECH | Tarun Engineering Works                     | 03-09-2020 | 03-10-2020 |
| 66 | Mr. Darshanam Krishna Keerthan | 17951A0330 | MECH | Ifortis Worldwide                           | 31-05-2021 | 14-07-2021 |
| 67 | Mr. Dama Rohith Varma          | 17951A0351 | MECH | Hyderabad Institute of Electrical Engineers | 05-06-2020 | 07-07-2020 |
| 68 | Ms. Ruchika Shaji              | 17951A0352 | MECH | Cognizant                                   | 03-02-2021 | 06-05-2021 |
| 69 | Ms. Kola Sai Madhav            | 17951A0360 | MECH | Zolostays Property Solutions Pvt. Ltd.      | 01-07-2020 | 31-08-2020 |
| 70 | Mr. Baliya Sunnith             | 18955A0321 | MECH | NSICL_TSC                                   | 17-08-2020 | 30-09-2020 |
| 71 | Mr. Bussa Deekshith Kumar      | 18955A0325 | MECH | HR-L&D Department                           | 17-02-2021 | 17-05-2021 |
| 72 | Mr. P. Anil                    | 19951E0002 | MBA  | Aashman Foundation                          | 01-08-2020 | 01-09-2020 |
| 73 | Ms. Sripathi Deepthi           | 19951E0008 | MBA  | Pace Innovations                            | 27-08-2020 | 27-09-2020 |
| 74 | Ms. D. Divya Jyothi            | 19951E0009 | MBA  | LUDIFU.com                                  | 01-10-2020 | 31-10-2020 |
| 75 | Ms. D. Divya Jyothi            | 19951E0009 | MBA  | LUDIFU.com                                  | 01-10-2020 | 31-10-2020 |
| 76 | Mr. Bhupathi raju Lahari       | 19951E0013 | MBA  | Aashman Foundation                          | 01-08-2020 | 01-10-2020 |
| 77 | Ms. K. Laxmi Keertana          | 19951E0015 | MBA  | Womenite                                    | 03-09-2020 | 03-10-2020 |
| 78 | Mr. O. Mahesh Raju             | 19951E0017 | MBA  | Aashman Foundation                          | 01-07-2020 | 01-10-2020 |
| 79 | Mr. K. Nikhitha                | 19951E0020 | MBA  | Grant & Co Chartered Accounts               | 01-09-2020 | 01-11-2020 |
| 80 | Ms. P Prasanna                 | 19951E0021 | MBA  | LUDIFU.com                                  | 01-10-2020 | 31-10-2020 |
| 81 | Mr. A. saikumar                | 19951E0026 | MBA  | Forage & J P Morgan                         |            | 30-12-2020 |



## Student Profile & Achievements

|     |                                     |            |     |                                         |            |            |
|-----|-------------------------------------|------------|-----|-----------------------------------------|------------|------------|
| 82  | Mr. Menugollu Sandeep               | 19951E0029 | MBA | Aashman Foundation                      | 01-08-2020 | 01-10-2020 |
| 83  | Ms. D. Sandhya rani                 | 19951E0031 | MBA | Aashman Foundation                      | 01-08-2020 | 01-10-2020 |
| 84  | Mr. P. Santosh Kumar                | 19951E0032 | MBA | Syspro                                  | 01-10-2020 | 24-12-2020 |
| 85  | Ms. Shaik Shabana Begum             | 19951E0033 | MBA | 3HD Media                               | 26-11-2020 | 04-01-2021 |
| 86  | Ms. Mattapelly Supriya              | 19951E0035 | MBA | LUDIFU.com                              | 01-10-2020 | 31-10-2020 |
| 87  | Ms. P. Rajini                       | 19951E0036 | MBA | Aashman Foundation                      | 01-08-2020 | 01-10-2020 |
| 88  | Mr. Siddela Suresh                  | 19951E0037 | MBA | Grant & Co Chartered Accounts           | 01-09-2020 | 01-11-2020 |
| 89  | Ms. K. Swathi                       | 19951E0039 | MBA | Dr. Reddy's                             | 45 days    |            |
| 90  | Ms. N. swathi                       | 19951E0040 | MBA | Helics Online Publishing                | 01-07-2020 | 19-09-2020 |
| 91  | Mr. VeerANJI Reddy                  | 19951E0043 | MBA | Forage & Citi                           |            | 30-12-2020 |
| 92  | Mr. Y. Sai Kanth Reddy              | 19951E0045 | MBA | LUDIFU.com                              | 01-10-2020 | 31-10-2020 |
| 93  | Ms. M. Bhavya Reddy                 | 19951E0048 | MBA | 3RD Flix Visula Effects Private Limited | 01-09-2020 | 31-10-2020 |
| 94  | Mr. K. Shiva Kumar Goud             | 19951E0049 | MBA | Deesha Edu & Fin Technologies           | 03-09-2020 | 02-10-2020 |
| 95  | Mr. K. Shiva Kumar Goud             | 19951E0049 | MBA | Aashman Foundation                      | 01-08-2020 | 01-10-2020 |
| 96  | Mr. K. Shiva Kumar Goud             | 19951E0049 | MBA | Aridnik Private Limited.                | 21-08-2020 | 23-11-2020 |
| 97  | Mr. K. Shiva Kumar Goud             | 19951E0049 | MBA | TBL Education Pvt. Ltd                  | 11-09-2020 | 12-10-2020 |
| 98  | Ms. Nallaparaju Jyotshna Sridevi    | 19951E0012 | MBA | Educon Soft                             | 04-08-2020 | 05-10-2002 |
| 99  | Ms. Vadla Lakshmi Prasanna          | 19951E0014 | MBA | Damco Soft Pvt. Ltd.                    | 14-08-2020 | 29-09-2020 |
| 100 | Ms. Asma Begum                      | 19951E0016 | MBA | Idees Solutions                         | 04-08-2020 | 05-10-2020 |
| 101 | Ms. Prathigadapa Prasanna           | 19951E0021 | MBA | Damco Soft Pvt. Ltd.                    | 14-08-2020 | 29-09-2020 |
| 102 | Ms. Gompa Uthpala                   | 19951E0041 | MBA | Aashman Foundation                      | 25-07-2020 |            |
| 103 | Mr. Nagasarala Venkata Sai Srinivas | 19951E0044 | MBA | Bajaj Allianz                           | 45 Days    |            |

### **FACULTY IN POSITION**

The total number of faculty is 295, out of which, 60 are Ph.D's (20.33%) ensuring healthy faculty student ratio. The research activity on campus is woven in pursuance of its vision & mission statements around the philosophy of Inspire, Innovate, and Implement to benefit the contemporary society. It unwinds itself into different fields such as environment, aerospace, PLC, CAD/CAM, CNC machining, tool design, welding, embedded systems, and low power VLSI digital system design. Emphasis is also being laid on manufacturing, automation, business analytics, big data, cloud computing, wireless technology, image processing, and next generation networks.

| DEPARTMENT NAME                                                                    | Faculty Available |           |           |            |
|------------------------------------------------------------------------------------|-------------------|-----------|-----------|------------|
|                                                                                    | Asst.             | Asso.     | Prof      | Total      |
| Aeronautical Engineering                                                           | 17                | 5         | 2         | 24         |
| Computer Science and Engineering                                                   | 48                | 7         | 4         | 59         |
| Information Technology                                                             | 17                | 2         | 0         | 19         |
| Computer Science and Engineering-<br>Artificial Intelligence & Machine<br>Learning | 4                 | 0         | 0         | 4          |
| Computer Science and Engineering-<br>Cyber Security                                | 2                 | 1         | 0         | 3          |
| Computer Science and Engineering-<br>Data Science                                  | 3                 | 1         | 0         | 4          |
| Computer Science Engineering and<br>Information Technology                         | 3                 | 1         | 0         | 4          |
| Electronics and Communication<br>Engineering                                       | 37                | 4         | 5         | 46         |
| Electrical and Electronics Engineering                                             | 22                | 4         | 2         | 28         |
| Mechanical Engineering                                                             | 17                | 6         | 3         | 26         |
| Civil Engineering                                                                  | 21                | 1         | 4         | 26         |
| MBA                                                                                | 9                 | 1         | 1         | 11         |
| FRESHMAN                                                                           | 29                | 10        | 5         | 44         |
| <b>Total</b>                                                                       | <b>229</b>        | <b>43</b> | <b>26</b> | <b>298</b> |

### Department-Wise Ph. D Faculty

| DEPARTMENT NAME                                                                 | No. Of Faculty with Ph.D |
|---------------------------------------------------------------------------------|--------------------------|
| Aeronautical Engineering                                                        | 7                        |
| Computer Science and Engineering                                                | 12                       |
| Information Technology                                                          | 2                        |
| Computer Science and Engineering-<br>Artificial Intelligence & Machine Learning | 0                        |
| Computer Science and Engineering-<br>Cyber Security                             | 1                        |
| Computer Science and Engineering-<br>Data Science                               | 1                        |
| Computer Science Engineering and<br>Information Technology                      | 1                        |
| Electronics and Communication<br>Engineering                                    | 9                        |
| Electrical and Electronics Engineering                                          | 6                        |
| Mechanical Engineering                                                          | 8                        |
| Civil Engineering                                                               | 5                        |
| MBA                                                                             | 3                        |
| FRESHMAN                                                                        | 16                       |
| <b>Total</b>                                                                    | <b>71</b>                |

**NEW APPOINTMENTS**

| DEPARTMENT NAME                                                                 | Asst.     | Asso<br>. | Prof     | Total     |
|---------------------------------------------------------------------------------|-----------|-----------|----------|-----------|
| Aeronautical Engineering                                                        | 4         | 1         | 0        | 5         |
| Computer Science and Engineering                                                | 11        | 1         | 1        | 12        |
| Computer Science and Engineering-<br>Artificial Intelligence & Machine Learning | 3         | 0         | 0        | 3         |
| Computer Science and Engineering-<br>Cyber Security                             | 2         | 1         | 0        | 3         |
| Computer Science and Engineering-<br>Data Science                               | 3         | 0         | 0        | 3         |
| Computer Science Engineering and<br>Information Technology                      | 0         | 1         | 0        | 1         |
| Information Technology                                                          | 4         | 0         | 0        | 4         |
| Electronics and Communication<br>Engineering                                    | 3         | 2         | 0        | 5         |
| Electrical and Electronics Engineering                                          | 2         | 1         | 0        | 3         |
| Mechanical Engineering                                                          | 2         | 0         | 0        | 2         |
| Civil Engineering                                                               | 1         | 0         | 0        | 1         |
| MBA                                                                             | 4         | 0         | 0        | 4         |
| FRESHMAN                                                                        | 9         | 2         | 0        | 11        |
| <b>Total</b>                                                                    | <b>48</b> | <b>10</b> | <b>1</b> | <b>58</b> |

## Faculty

### FACULTY

| Name of the Faculty         | Dept.          | Name of the Faculty                 | Dept.    |
|-----------------------------|----------------|-------------------------------------|----------|
| Mr. V Raghavender           | AERO           | Mr. A Prashanth                     | ECE      |
| Mr. Gooty Rohan             | AERO           | Ms. B Surekha Reddy                 | ECE      |
| Mr. I Seetha Rama Rao       | AERO           | Ms.N.Manjula                        | ECE      |
| Mr. Ragam Prashanth         | AERO           | DR. B Ravi Kumar                    | ECE      |
| Dr. Aravind Rajan Ayagara   | AERO           | DR. V KISHEN AJAY KUMAR             | ECE      |
| Mr. Srinivas Govada         | CIVIL          | Ms. Shaik Ruksana Begam             | EEE      |
| Dr. Chennupalli Srinivasulu | CSE            | Ms.A.Rukmananda                     | EEE      |
| Ms. Sasmita Kumari Pradhan  | CSE            | Dr. Ranjith Kumar G                 | EEE      |
| Mr. S Raju                  | CSE            | Mr. G Satyanarayana                 | FRESHMAN |
| Ms. Rashmita Kumari Mohanty | CSE            | Mr. P Shantan Kumar                 | FRESHMAN |
| Ms. C Bhagyashree           | CSE            | Ms. Parasa Nagalakshmi Devi         | FRESHMAN |
| Ms. N Harika                | CSE            | Mr. B Venkata Krishna Prasad        | FRESHMAN |
| Ms. K Sreeveda              | CSE            | Mr. P Harishi Babu                  | FRESHMAN |
| Ms. Anusha R                | CSE            | Mr. B Srinivas Reddy                | FRESHMAN |
| Ms. B Anusha                | CSE            | Dr.Santosh Singh                    | FRESHMAN |
| Ms.P.Harika                 | CSE            | Ms. B.Namratha                      | FRESHMAN |
| Ms.D.Keerthana              | CSE            | Dr. Surya Sarma Seshagiri Rao<br>NV | FRESHMAN |
| Dr. G Sucharitha            | CSE            | Dr. MSNA Prasad                     | FRESHMAN |
| Ms. Dakuri Deepthi Sri      | CSE            | Dr. Shikha Kumari Pandey            | FRESHMAN |
| Ms. Gotte Akhila            | CSE- AI<br>&ML | Ms. T Pravalika                     | IT       |
| Ms. B Shashirekha           | CSE- AI<br>&ML | Mr. Shaik Saddam Hussain            | IT       |
| Ms. M Kalaiarasi            | CSE- AI<br>&ML | Ms. G Lohitha                       | IT       |
| Ms. Avula Madhuri           | CSE-CS         | Ms. S Swarna Keerthi                | IT       |
| Ms. Poonam Khare            | CSE-CS         | Ms. Manasa Yeruva                   | MBA      |
| Dr. S Vijaya Kumar          | CSE-CS         | Ms. M Sindhu                        | MBA      |
| Ms. P Vaishnavi             | CSE-DS         | Dr.S Sivasankara Rao                | MBA      |
| Mr. Potta V L Narasimha Rao | CSE-DS         | Ms. P Shraddha                      | MBA      |
| Ms. S Anusha                | CSE-DS         | Ms. V Lakshmi Prasanna              | MECH     |
| Dr. BJD Kalyani             | CSIT           | Mr. Naikodi Chaitanya               | MECH     |

## Events

### EVENTS FOR STUDENTS:

| SNO | Name of the initiative program                                                                                             | Type of the program | From       | To         |
|-----|----------------------------------------------------------------------------------------------------------------------------|---------------------|------------|------------|
| 1   | Six Day STTP on Advances in Computing using Emerging Technologies in smart Environment (Part-1)                            | Training Program    | 02-11-2020 | 07-11-2020 |
| 2   | Six Day STTP on Advances in Computing using Emerging Technologies in smart Environment (Part-2)                            | Training Program    | 16-11-2020 | 21-11-2020 |
| 3   | Intellectual Property Rights                                                                                               | Seminar             | 17-12-2020 | 17-12-2020 |
| 4   | Entrepreneurial Mindset                                                                                                    | Seminar             | 18-12-2020 | 18-12-2020 |
| 5   | Mental Health and Quality of Life of Married Working Women in India                                                        | Seminar             | 20-12-2020 | 20-12-2020 |
| 6   | Motivational Session by Successful Entrepreneur                                                                            | Expert Talk         | 28-01-2021 | 28-01-2021 |
| 7   | National Innovation and Startup Policy (NISP)                                                                              | Orientation         | 29-01-2021 | 29-01-2021 |
| 8   | Orientation Session by Innovation Ambassador                                                                               | Orientation         | 30-01-2021 | 30-01-2021 |
| 9   | Workshop On Innovations and Entrepreneurship 23 February 2021                                                              | Workshop            | 23-02-2021 |            |
| 10  | Workshop on Prototype Design and Development                                                                               | Workshop            | 04-03-2021 | 04-03-2021 |
| 11  | Smart Sensing Technologies for Structural Health Monitoring                                                                | Workshop            | 18-03-2021 | 23-03-2021 |
| 12  | Mentorship session on Innovation & Entrepreneurship                                                                        | Expert Talk         | 20-03-2021 | 20-03-2021 |
| 13  | Design Develop Deploy Symposium                                                                                            | Workshop            | 07-04-2021 | 11-04-2021 |
| 14  | Talk on “From your Ph.D./ Master’s Thesis to a start-up”                                                                   | Expert Talk         | 23-04-2021 | 23-04-2021 |
| 15  | Session on “Why IP is important in academia                                                                                | Expert Talk         | 26-04-2021 | 26-04-2021 |
| 16  | One week online workshop on Nuts and Bolts of Machine Learning Model: Theory and Practical with Python (20 - 26 May, 2021) | Workshop            | 20-05-2021 | 26-05-2021 |

**BUILD IT WEEKLY CONTESTS**

| S.No | Contest             | Date      | No. of students Participated | Winners | Cash Award (₹) |
|------|---------------------|-----------|------------------------------|---------|----------------|
| 1    | BuildIT Contest-88  | 06-Jul-20 | 335                          | 18      | 9,000.00       |
| 2    | BuildIT Contest-89  | 13-Jul-20 | 608                          | 20      | 10,000.00      |
| 3    | BuildIT Contest-90  | 20-Jul-20 | 559                          | 20      | 10,000.00      |
| 4    | BuildIT Contest-91  | 27-Jul-20 | 505                          | 20      | 10,000.00      |
| 5    | BuildIT Contest-92  | 01-Aug-20 | 430                          | 14      | 7,000.00       |
| 6    | BuildIT Contest-93  | 08-Aug-20 | 499                          | 20      | 10,000.00      |
| 7    | BuildIT Contest-94  | 22-Aug-20 | 508                          | 20      | 10,000.00      |
| 8    | BuildIT Contest-95  | 29-Aug-20 | 470                          | 20      | 10,000.00      |
| 9    | BuildIT Contest-96  | 05-Sep-20 | 619                          | 20      | 10,000.00      |
| 10   | BuildIT Contest-97  | 12-Sep-20 | 589                          | 20      | 10,000.00      |
| 11   | BuildIT Contest-98  | 19-Sep-20 | 523                          | 20      | 10,000.00      |
| 12   | BuildIT Contest-99  | 26-Sep-20 | 430                          | 15      | 7,500.00       |
| 13   | BuildIT Contest-100 | 03-Oct-20 | 542                          | 19      | 9,500.00       |



## Events

|    |                     |           |     |    |           |
|----|---------------------|-----------|-----|----|-----------|
| 14 | BuildIT Contest-101 | 10-Oct-20 | 371 | 20 | 10,000.00 |
| 15 | BuildIT Contest-102 | 17-Oct-20 | 383 | 20 | 10,000.00 |
| 16 | BuildIT Contest-103 | 24-Oct-20 | 452 | 14 | 7,000.00  |
| 17 | BuildIT Contest-104 | 31-Oct-20 | 436 | 19 | 9,500.00  |
| 18 | BuildIT Contest-105 | 07-Nov-20 | 407 | 16 | 8,000.00  |
| 19 | BuildIT Contest-106 | 21-Nov-20 | 450 | 20 | 10,000.00 |
| 20 | BuildIT Contest-107 | 28-Nov-20 | 560 | 18 | 9,000.00  |
| 21 | BuildIT Contest-108 | 05-Dec-20 | 368 | 18 | 9,000.00  |
| 22 | BuildIT Contest-109 | 12-Dec-20 | 557 | 18 | 9,000.00  |
| 23 | BuildIT Contest-110 | 19-Dec-20 | 405 | 12 | 6,000.00  |
| 24 | BuildIT Contest-111 | 26-Dec-20 | 513 | 18 | 9,000.00  |
| 25 | BuildIT Contest-112 | 02-Jan-21 | 594 | 16 | 8,000.00  |
| 26 | BuildIT Contest-113 | 09-Jan-21 | 544 | 17 | 8,500.00  |
| 27 | BuildIT Contest-114 | 30-Jan-21 | 583 | 15 | 7,500.00  |
| 28 | BuildIT Contest-115 | 06-Feb-21 | 475 | 13 | 6,500.00  |
| 29 | BuildIT Contest-116 | 13-Feb-21 | 546 | 13 | 6,500.00  |

## Events

|    |                     |           |     |    |           |
|----|---------------------|-----------|-----|----|-----------|
| 30 | BuildIT Contest-117 | 20-Feb-21 | 585 | 20 | 10,000.00 |
| 31 | BuildIT Contest-118 | 27-Feb-21 | 490 | 19 | 9,500.00  |
| 32 | BuildIT Contest-119 | 06-Mar-21 | 367 | 15 | 7,500.00  |
| 33 | BuildIT Contest-120 | 13-Mar-21 | 517 | 20 | 10,000.00 |
| 34 | BuildIT Contest-121 | 20-Mar-21 | 478 | 17 | 8,500.00  |
| 35 | BuildIT Contest-122 | 27-Mar-21 | 339 | 16 | 8,000.00  |
| 36 | BuildIT Contest-123 | 03-Apr-21 | 434 | 19 | 9,500.00  |
| 37 | BuildIT Contest-124 | 10-Apr-21 | 333 | 16 | 8,000.00  |
| 38 | BuildIT Contest-125 | 17-Apr-21 | 601 | 18 | 9,000.00  |
| 39 | BuildIT Contest-126 | 24-Apr-21 | 481 | 20 | 10,000.00 |

## FDP

| SNO | Name of the initiative program                                                                                  | Type of the program | From       | To         |
|-----|-----------------------------------------------------------------------------------------------------------------|---------------------|------------|------------|
| 1   | Two week Faculty Development Programme on Advanced pedagogy and digital Tools in Engineering Education(Phase I) | FDP                 | 14-12-2020 | 26-12-2020 |
| 2   | one week Faculty Development Programme on data sciences                                                         | FDP                 | 15-02-2021 | 19-02-2021 |
| 3   | Five Day Faculty Development Programme on Energy Storage                                                        | FDP                 | 17-05-2021 | 21-05-2021 |
| 4   | One Week Online EDP on Entrepreneurship and Product Development                                                 | FDP                 | 21-06-2021 | 26-06-2021 |

### **RESEARCH AND DEVELOPMENT**

Research and Development (R&D) plays a critical role in the process of innovation. It is primarily an investment and effort in technology and future capabilities which is transformed into new products, processes, and services. IARE has taken a quantum leap into Research and Development initiatives in recent years, constantly encouraging faculty and students for out-of-the-box thinking and generating new and revolutionary ideas to bring about societal change.

IARE Research Centre put in motion proactive applied research to help solve the technical and scientific problems of the industries and defense organizations. It focuses on research areas related to educational research and develop tools and techniques to address the needs of a university, faculty members and prospective students.

IARE is devoted to enhancing knowledge through research across all academic disciplines. Focus areas include Nanotechnology, Environment, Aerospace and Dynamics, CAD/CAM, CNC Machining, Embedded Systems and Low Power VLSI Digital System Design. Emphasis is also being laid on Business Analytics, Big Data, Cloud Computing, Wireless technology and Multimedia for video, text processing and Next Generation Networks.

### **APPROVED RESEARCH CENTERS**

The following Departments are the recognized Research Centers of the Jawaharlal Nehru Technological University Hyderabad, Hyderabad (JNTUH) offering Ph.D. programs:

- Department of Computer Science & Engineering
- Department of Electronics & Communication Engineering
- Department of Mechanical Engineering

### **RESEARCH FACILITIES**

- A facility is provided for both students and research associates to implement research-based projects under the guidance of faculty. It can be utilized by all the academic program students extensively for their project and research work.

### RESEARCH AND EDUCATION CENTERS

To meet the global and national standards IARE started the development of research centers in the campus. The following centers are established to allow faculties and students to share facilities, equipment, ideas, and innovation in the institution.

- Center for Advanced Power Engineering Research (CAPER)
- Center for Research on Alternative Energy Sources (Solar | Thermo Electric | Materials-STEM)
- Center for Automation and Robotics (CAR)
- Aerospace Research and Development Center (ARDC)
- Advanced Concrete Research and Innovation Center (ACRIC)
- Sensor, Instrumentation and Cyber Physical System Engineering Center (SeNSE) Artificial Intelligence Experience Center (AIEC)
- Center of Excellence in Big Data & Data Science (B2DS)
- Center for Environment, Climate and Global Change

### GOVERNMENT FUNDED SCHEMES (CONFERENCES/ SYMPOSIUMS/ SEMINARS ETC.,)

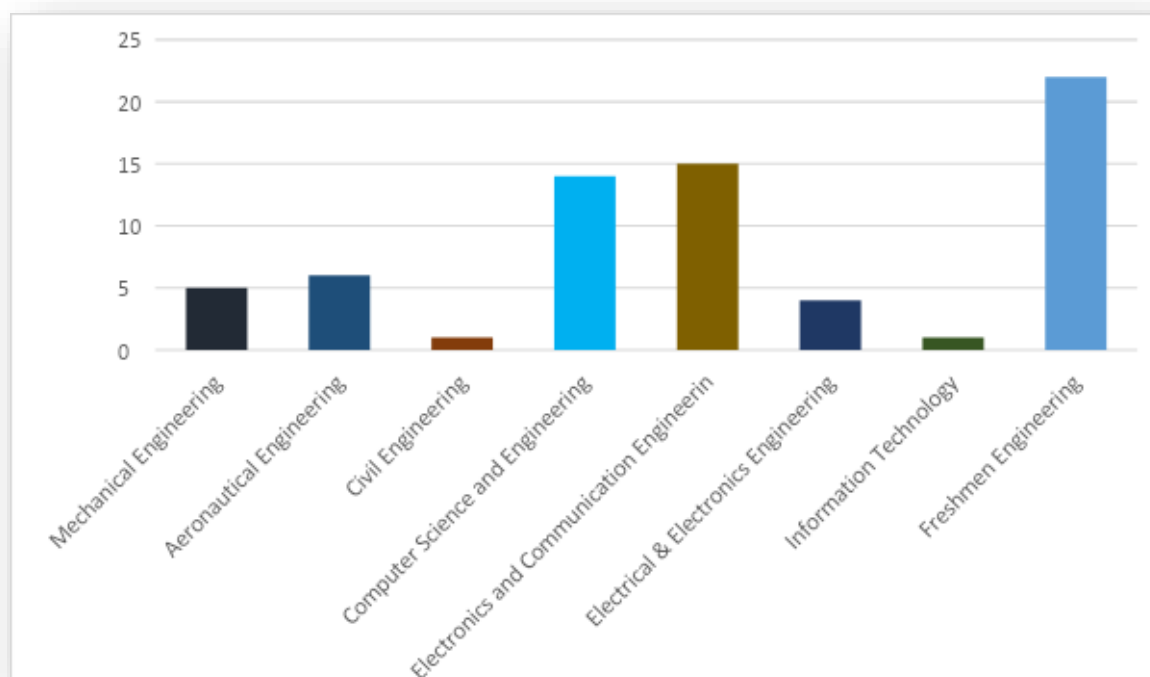
| S.No | Principal Investigator  | Title of the Project                                                             | Funding Agency                                 | Fund Sanctioned (₹ In Lakhs) | Sanction Date |
|------|-------------------------|----------------------------------------------------------------------------------|------------------------------------------------|------------------------------|---------------|
| 1    | Ms. K Laxmi Narayanamma | A Webinar on Mental Health and Quality of Life of Married Working Women in India | National Commission for Women (NCW), New Delhi | 0.50                         | 10-08-2020    |
| 2    | Dr D. Shobha Rani       | Short Term Training Programme (STTP)                                             | AICTE                                          | 02.61                        | 10-08-2020    |
| 3    | Dr M. Madhu Bala        | Faculty Development Programme (FDP)                                              | AICTE                                          | 04.64                        | 30-07-2020    |
| 4    | Dr M. Madhubala         | ATAL FDP On Data Sciences                                                        | AICTE                                          | 02.10                        | 20-07-2020    |
| 5    | Dr P. Sridhar           | Modernization and Removal of Obsolescence Scheme (MODROBS)                       | AICTE                                          | 13.41                        | 20-07-2020    |

## Research & Development

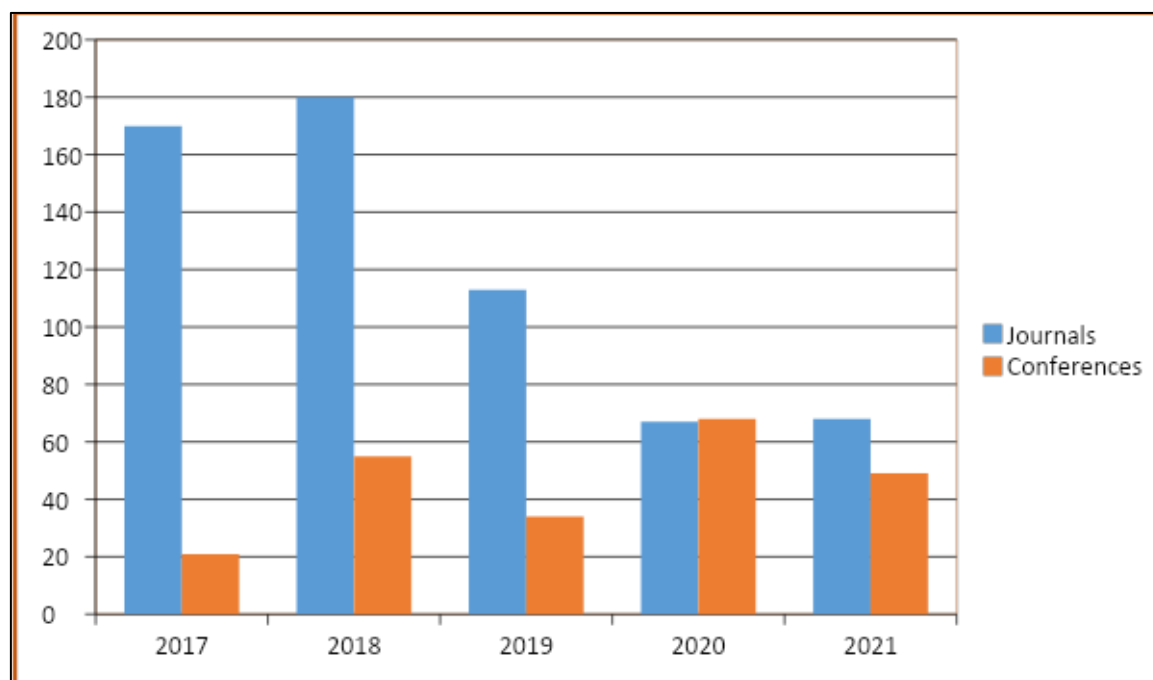
|   |                    |                                      |       |       |            |
|---|--------------------|--------------------------------------|-------|-------|------------|
| 6 | Dr D. Shobha Rani  | Short Term Training Programme (STTP) | AICTE | 04.50 | 20-07-2020 |
| 7 | Dr Y. Mohana Roopa | Short Term Training Programme (STTP) | AICTE | 04.00 | 20-07-2020 |

## FACULTY PUBLICATIONS IN JOURNALS

| S.No  | Department                                | Publications |
|-------|-------------------------------------------|--------------|
| 1     | Mechanical Engineering                    | 5            |
| 2     | Aeronautical Engineering                  | 6            |
| 3     | Civil Engineering                         | 1            |
| 4     | Computer Science and Engineering          | 14           |
| 5     | Electronics and Communication Engineering | 15           |
| 6     | Electrical & Electronics Engineering      | 4            |
| 7     | Information Technology                    | 1            |
| 8     | Freshmen Engineering                      | 22           |
| Total |                                           | 68           |



## YEAR-WISE PUBLICATIONS



## FACULTY PUBLICATIONS

| S. No                         | Authors                                                                                                         | Title                                                                                            | Source title                                                   | Link                                                                                                                                                  |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Mechanical Engineering</b> |                                                                                                                 |                                                                                                  |                                                                |                                                                                                                                                       |
| 1                             | Nerella, S.S., Nakka, S.V.V.S., Panitapu, B.                                                                    | Mathematical modeling of closed loop pulsating heat pipe by using artificial neural networks     | International Journal of Heat and Technology                   | <a href="https://www.iieta.org/journals/ijht/paper/10.18280/ijht.390332">https://www.iieta.org/journals/ijht/paper/10.18280/ijht.390332</a>           |
| 2                             | Srinivasulu, A., Soora, N.R., Mohammed, S.W., Geethadevi, A., Reddy, G.R., Ramudu, K., Nag, M.V.A.              | Prediction and detection of breast cancer text data using integrated EANN and ESVM techniques    | Applied Nanoscience (Switzerland)                              | <a href="https://link.springer.com/article/10.1007%2Fs13204-021-02033-w">https://link.springer.com/article/10.1007%2Fs13204-021-02033-w</a>           |
| 3                             | Rao, G.B., Bannaravuri, P.K., Raja, R., Apparao, K.C., Rao, P.S., Rao, T.S., Birru, A.K., Rasalin Prince, R.M.. | Impact on the microstructure and mechanical properties of Al-4.5Cu alloy by the addition of MoS2 | International Journal of Lightweight Materials and Manufacture | <a href="https://www.sciencedirect.com/science/article/pii/S2588840421000093">https://www.sciencedirect.com/science/article/pii/S2588840421000093</a> |

## Research & Development

|   |                                                                                          |                                                                                                                  |                                                  |                                                                                                                                                                                                                   |
|---|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4 | Sri Lalitha, Y.,<br>Gayathri, Y.,<br>Aditya Nag,<br>M.V., Althaf<br>Hussain Basha,<br>S. | Student Performance<br>Prediction – A Data<br>Science Approach                                                   | Studies in<br>Computational<br>Intelligence      | <a href="https://link.springer.com/chapter/10.1007/978-3-030-68291-0_10">https://link.springer.com/chapter/10.1007/978-3-030-68291-0_10</a>                                                                       |
| 5 | Appa Rao, K.C.,<br>Birru, A.K.,<br>Bannaravuri,<br>P.K., Francis,<br>E.D.                | Porosity formation studies<br>in high pressure die<br>castings of Al-9Si-3Cu<br>alloy based on Taguchi<br>method | International Journal<br>of Structural Integrity | <a href="https://www.emerald.com/insight/content/doi/10.1108/IJSI-06-2020-0056/full/html?skipTracking=true">https://www.emerald.com/insight/content/doi/10.1108/IJSI-06-2020-0056/full/html?skipTracking=true</a> |

### Aeronautical Engineering

| S. No | Authors                                                                            | Title                                                                                                                                                                                                                                                                           | Source title                                         | Link                                                                                                                                                                                          |
|-------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | Sharma, S.,<br>Awasthi, R.,<br>Sastry, Y.S.,<br>Budarapu, P.R.                     | Physics-informed neural<br>networks for estimating<br>stress transfer mechanics<br>in single lap joints                                                                                                                                                                         | Journal of Zhejiang<br>University: Science<br>A      | <a href="https://link.springer.com/article/10.1631/jzus.A2000403">https://link.springer.com/article/10.1631/jzus.A2000403</a>                                                                 |
| 2     | Dwivedi, Y.D.,<br>Mohapatra, A.,<br>Blessington, T.,<br>Irfan, M.                  | Experimental flow field<br>investigation of the bio-<br>inspired corrugated wing<br>for mav applications                                                                                                                                                                        | INCAS Bulletin                                       | <a href="https://bulletin.incas.ro/files/dwivedi_a-mohapatra_blessington_irfan_vol_13_is_s_2.pdf">https://bulletin.incas.ro/files/dwivedi_a-mohapatra_blessington_irfan_vol_13_is_s_2.pdf</a> |
| 3     | Dwivedi, Y.D.,<br>Nukala, V.B.,<br>Maddula, S.P.,<br>Nair, K.                      | Prediction of atmospheric<br>turbulence characteristics<br>for surface boundary layer<br>using empirical spectral<br>methods [Predição de<br>características de<br>turbulência<br>atmosférica para<br>camada limite de<br>superfície usando<br>métodos espectrais<br>empíricos] | Revista Brasileira de<br>Meteorologia                | <a href="https://www.scielo.br/rbmet/10.1590/0102-77863540083">https://www.scielo.br/rbmet/10.1590/0102-77863540083</a>                                                                       |
| 4     | Mishra, R.K.,<br>Mohanta, P.K.,<br>Sridhar, B.T.N.                                 | Influence of nozzle exit<br>geometrical parameters on<br>supersonic jet decay                                                                                                                                                                                                   | International Journal<br>of Turbo and Jet<br>Engines | <a href="https://www.degruyter.com/document/doi/10.1515/tjj-2020-0047/pdf">https://www.degruyter.com/document/doi/10.1515/tjj-2020-0047/pdf</a>                                               |
| 5     | Balguri, P.K.,<br>Harris Samuel,<br>D.G., Indira, C.,<br>Penki, T.R.,<br>Thumu, U. | Manganese dioxide<br>nanostructures reinforced<br>epoxy nanocomposites: a<br>study of mechanical<br>properties                                                                                                                                                                  | Polymer-Plastics<br>Technology and<br>Materials      | <a href="https://www.tandfonline.com/doi/abs/10.1080/25740881.2021.1991953">https://www.tandfonline.com/doi/abs/10.1080/25740881.2021.1991953</a>                                             |

## Research & Development

|                                         |                                                                                                                  |                                                                                                                                                                        |                                                           |                                                                                                                                                               |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6                                       | Mohanta, P.K.,<br>Sridhar, B.T.N.,<br>Mishra, R.K.                                                               | Influence of nozzle exit<br>geometrical parameters on<br>supersonic jet decay                                                                                          | International Journal<br>of Turbo and Jet<br>Engines      | <a href="https://www.degruyter.com/document/doi/10.1515/tjeng-2020-0047/html">https://www.degruyter.com/document/doi/10.1515/tjeng-2020-0047/html</a>         |
| <b>Civil Engineering</b>                |                                                                                                                  |                                                                                                                                                                        |                                                           |                                                                                                                                                               |
| 1                                       | Reddy, V.A.,<br>Solanki, C.H.,<br>Kumar, S.,<br>Reddy, K.R., Du,<br>Y.-J.                                        | Comparison of limestone<br>calcined clay cement and<br>ordinary Portland cement<br>for<br>stabilization/solidification<br>of Pb-Zn smelter residue                     | Environmental<br>Science and Pollution<br>Research        | <a href="https://link.springer.com/article/10.1007%2Fs11356-021-16421-w">https://link.springer.com/article/10.1007%2Fs11356-021-16421-w</a>                   |
| <b>Computer Science and Engineering</b> |                                                                                                                  |                                                                                                                                                                        |                                                           |                                                                                                                                                               |
| 1                                       | Kalyani, G.,<br>Janakiramaiah,<br>B., Prasad,<br>L.V.N., Karuna,<br>A., Babu, A.M.                               | Efficient crowd counting<br>model using feature<br>pyramid network and<br>ResNeXt                                                                                      | Soft Computing                                            | <a href="https://link.springer.com/article/10.1007%2Fs00500-021-05993-x">https://link.springer.com/article/10.1007%2Fs00500-021-05993-x</a>                   |
| 2                                       | Dash, S.C.B.,<br>Mishra, S.R.,<br>Srujan Raju, K.,<br>Narasimha<br>Prasad, L.V.                                  | Human action recognition<br>using a hybrid deep<br>learning heuristic                                                                                                  | Soft Computing                                            | <a href="https://link.springer.com/article/10.1007%2Fs00500-021-06149-7">https://link.springer.com/article/10.1007%2Fs00500-021-06149-7</a>                   |
| 3                                       | Sharma,<br>Rajendra Prasad,<br>K., Mohammed,<br>M., Noorullah,<br>R.M.                                           | Visual topic models for<br>healthcare data clustering                                                                                                                  | Evolutionary<br>Intelligence                              | <a href="https://link.springer.com/article/10.1007%2Fs12065-019-00300-y">https://link.springer.com/article/10.1007%2Fs12065-019-00300-y</a>                   |
| 4                                       | N, K., Narasimha<br>Prasad, L.V.,<br>Pavan Kumar,<br>C.S., Subedi, B.,<br>Abraha, H.B.,<br>Sathishkumar,<br>V.E. | Rice leaf diseases<br>prediction using deep<br>neural networks with<br>transfer learning                                                                               | Environmental<br>Research                                 | <a href="https://www.sciencedirect.com/science/article/abs/pii/S0013935121005697">https://www.sciencedirect.com/science/article/abs/pii/S0013935121005697</a> |
| 5                                       | Rajendra Prasad,<br>K., Mohammed,<br>M., Noorullah,<br>R.M.                                                      | Correction to: Visual topic<br>models for healthcare data<br>clustering (Evolutionary<br>Intelligence, (2021), 14, 2,<br>(545-562),<br>10.1007/s12065-019-<br>00300-y) | Evolutionary<br>Intelligence                              | <a href="https://link.springer.com/article/10.1007/s12065-019-00323-5">https://link.springer.com/article/10.1007/s12065-019-00323-5</a>                       |
| 6                                       | Rajendra Prasad,<br>K., Mohammed,<br>M., Noorullah,<br>R.M.                                                      | Visual topic models for<br>healthcare data clustering                                                                                                                  | Evolutionary<br>Intelligence                              | <a href="https://link.springer.com/article/10.1007/s12065-019-00300-y">https://link.springer.com/article/10.1007/s12065-019-00300-y</a>                       |
| 7                                       | Madhubala, M.,<br>Rao, N.V.K.,<br>Roopa, Y.M.,<br>Kalyani, D.,<br>Pranay, M.,<br>Raju, C.H.K.                    | A tool to convert<br>audio/text to sign language<br>using python libraries                                                                                             | Turkish Journal of<br>Physiotherapy and<br>Rehabilitation | <a href="https://turkijphysiotherrehabil.org/pub/pdf/322/32-2-235.pdf">https://turkijphysiotherrehabil.org/pub/pdf/322/32-2-235.pdf</a>                       |



## Research & Development

|    |                                                                            |                                                                                                                                      |                                                                   |                                                                                                                                                                                                                                                                                                                                                 |
|----|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8  | Janakiramaiah, B., Kalyani, G., Karuna, A., Prasad, L.V.N., Krishna, M.    | Military object detection in defense using multi-level capsule networks                                                              | Soft Computing                                                    | <a href="https://link.springer.com/article/10.1007/s00500-021-05912-0">https://link.springer.com/article/10.1007/s00500-021-05912-0</a>                                                                                                                                                                                                         |
| 9  | Abbagalla, S., Rupa Devi, B., Anjaiah, P., Reddy Madhavi, K.               | Analysis of COVID-19-Impacted Zone Using Machine Learning Algorithms                                                                 | Lecture Notes on Data Engineering and Communications Technologies | <a href="https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107079927&amp;doi=10.1007%2f978-981-16-0081-4_62&amp;partnerID=40&amp;md5=a74038777edf2973f4126e1e28c4208d">https://www.scopus.com/inward/record.uri?eid=2-s2.0-85107079927&amp;doi=10.1007%2f978-981-16-0081-4_62&amp;partnerID=40&amp;md5=a74038777edf2973f4126e1e28c4208d</a> |
| 10 | Sirisha Devi, J., Vijaya Bhaskar Reddy, P.                                 | Multimodal Emotion Analytics for E-Learning                                                                                          | Lecture Notes on Data Engineering and Communications Technologies | <a href="https://link.springer.com/chapter/10.1007%2F978-981-15-9509-7_48">https://link.springer.com/chapter/10.1007%2F978-981-15-9509-7_48</a>                                                                                                                                                                                                 |
| 11 | Rajendra Prasad, K., Mohammed, M., Narasimha Prasad, L.V., Anguraj, D.K.   | An efficient sampling-based visualization technique for big data clustering with crisp partitions                                    | Distributed and Parallel Databases                                | <a href="https://link.springer.com/article/10.1007/s10619-021-07324-3">https://link.springer.com/article/10.1007/s10619-021-07324-3</a>                                                                                                                                                                                                         |
| 12 | Renigunta Mohammed, N., Mohammed, M.                                       | Multi-viewpoints visual models for efficient modeling and analysis of Twitter based health-care services                             | International Journal of Pervasive Computing and Communications   | <a href="https://www.emerald.com/insight/content/doi/10.1108/IJPCC-06-2021-0140/full/html?skipTracking=true">https://www.emerald.com/insight/content/doi/10.1108/IJPCC-06-2021-0140/full/html?skipTracking=true</a>                                                                                                                             |
| 13 | Sakthidasan @ Sankaran, K., Gao, X.-Z., Devabalaji, K.R., Mohana Roopa, Y. | Energy based random repeat trust computation approach and Reliable Fuzzy and Heuristic Ant Colony mechanism for improving QoS in WSN | Energy Reports                                                    | <a href="https://www.sciencedirect.com/science/article/pii/S235248472100723X">https://www.sciencedirect.com/science/article/pii/S235248472100723X</a>                                                                                                                                                                                           |
| 14 | Fazuruddin, S., Sreekanth, S., Raju, G.S.S.                                | Effect of various tilted positions of a thin fin on natural convection of laminar viscous flow in a square cavity                    | International Journal of Heat and Technology                      | <a href="https://www.iieta.org/journals/ijht/paper/10.18280/ijht.390527">https://www.iieta.org/journals/ijht/paper/10.18280/ijht.390527</a>                                                                                                                                                                                                     |

### Electronics and Communication Engineering

|   |                                                                                 |                                                                                                                                             |                                                                       |                                                                                                                                             |
|---|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Swathi, S., Sushma, S., Devi Supraja, C., Bindusree, V., Babitha, L., Vijay, V. | A hierarchical image matting model for blood vessel segmentation in retinal images                                                          | International Journal of Systems Assurance Engineering and Management | <a href="https://link.springer.com/article/10.1007%2Fs13198-021-01397-0">https://link.springer.com/article/10.1007%2Fs13198-021-01397-0</a> |
| 2 | Kumar, B.S., Rao, P.T.                                                          | An Optimal Emperor Penguin Optimization Based Enhanced Flower Pollination Algorithm in WSN for Fault Diagnosis and Prolong Network Lifespan | Wireless Personal Communications                                      | <a href="https://link.springer.com/article/10.1007/s11277-021-08765-w">https://link.springer.com/article/10.1007/s11277-021-08765-w</a>     |

## Research & Development

|    |                                                                                                                 |                                                                                                                                                                                            |                                                                       |                                                                                                                                                                                     |
|----|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3  | Kumar, B.S.,<br>Rao, P.T.                                                                                       | Intelligent Decision Making Algorithm for Balanced Cluster Formation in Wireless Sensor Networks                                                                                           | Wireless Personal Communications                                      | <a href="https://link.springer.com/article/10.1007%2Fs11277-021-08715-6">https://link.springer.com/article/10.1007%2Fs11277-021-08715-6</a>                                         |
| 4  | Numan, A., Gill, A.A.S., Rafique, S., Guduri, M., Zhan, Y., Maddiboyina, B., Li, L., Singh, S., Nguyen Dang, N. | Rationally engineered nanosensors: A novel strategy for the detection of heavy metal ions in the environment                                                                               | Journal of Hazardous Materials                                        | <a href="https://www.sciencedirect.com/science/article/abs/pii/S0304389420324833?via%3Dihub">https://www.sciencedirect.com/science/article/abs/pii/S0304389420324833?via%3Dihub</a> |
| 5  | Chennakesava Reddy, G., Ansari, A.A., China Venkateswarlu, S.                                                   | Green communication in wireless power consumption and energy efficient trade-offs                                                                                                          | Turkish Journal of Physiotherapy and Rehabilitation                   | <a href="https://turkjphysiotherrehabil.org/pub/pdf/322/32-2-215.pdf">https://turkjphysiotherrehabil.org/pub/pdf/322/32-2-215.pdf</a>                                               |
| 6  | Billa, p., Gopathoti, k.k., Pendyala, S.S., Reddy, M.N.                                                         | Relocation of 5g network in mobile devices for effective carrier frequency distribution                                                                                                    | Turkish Journal of Physiotherapy and Rehabilitation                   | <a href="https://turkjphysiotherrehabil.org/pub/pdf/322/32-2-144.pdf">https://turkjphysiotherrehabil.org/pub/pdf/322/32-2-144.pdf</a>                                               |
| 7  | Satyanarayana, T., Tiwari, M., Reddy, V.P.                                                                      | Low power circuit design for footed quasi resistance scheme in 45nm vlsi technology-review                                                                                                 | Turkish Journal of Physiotherapy and Rehabilitation                   | <a href="https://turkjphysiotherrehabil.org/pub/pdf/322/32-2-51.pdf">https://turkjphysiotherrehabil.org/pub/pdf/322/32-2-51.pdf</a>                                                 |
| 8  | Kandasamy, N., Sanjeevaiah, C., Telagam, N., Merisala, R.                                                       | Hybrid 4:16 Decoder Using Variable Bias GDI Technique                                                                                                                                      | Lecture Notes in Electrical Engineering                               | <a href="https://link.springer.com/chapter/10.1007%2F978-981-15-9019-1_55">https://link.springer.com/chapter/10.1007%2F978-981-15-9019-1_55</a>                                     |
| 9  | Santhosh Kumar, B., Trinatha Rao, P.                                                                            | Cluster-based optimal sink repositioning technique for WSNs using an improved glow worm swarm optimisation and S* position search algorithm                                                | International Journal of Internet Technology and Secured Transactions | <a href="https://www.inderscienceonline.com/doi/abs/10.1504/IJITST.2021.112869">https://www.inderscienceonline.com/doi/abs/10.1504/IJITST.2021.112869</a>                           |
| 10 | Rani, B.M.S., Majety, V.D., Pittala, C.S., Vijay, V., Sandeep, K.S., Kiran, S.                                  | Road identification through efficient edge segmentation based on morphological operations                                                                                                  | Traitement du Signal                                                  | <a href="https://www.iieta.org/journals/ts/paper/10.18280/ts.380526">https://www.iieta.org/journals/ts/paper/10.18280/ts.380526</a>                                                 |
| 11 | Krishna, C.N., Katamaneni, M., Yelavarti, K.C., Babu, B.S., Kumar, B.R., Prakash, M.V.                          | Synthesis and Characterization of the Chitosan Silver Nanoparticle-Reinforced Borassus flabellifer Trichome- And Prosopis juliflora Wood-Based Nanocomposite for Environmental Application | Journal of Nanomaterials                                              | <a href="https://www.hindawi.com/journals/jnm/2021/3199949/">https://www.hindawi.com/journals/jnm/2021/3199949/</a>                                                                 |

## Research & Development

|    |                                                                                                                                                  |                                                                                                                                                               |                                                                                   |                                                                                                                                                                                                                                                 |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12 | Telagam, N.,<br>Somanaidu, U.,<br>Kumar, M.A.,<br>Sabarimuthu, M.,<br>Kandasamy, N.                                                              | IoT Based Secure<br>Lock/Unlock System<br>Using Google Assistant<br>Based English And French<br>Languages                                                     | International journal<br>of online and<br>biomedical<br>engineering               | <a href="https://online-journals.org/index.php/i-joe/article/view/24279">https://online-journals.org/index.php/i-joe/article/view/24279</a>                                                                                                     |
| 13 | Kumar, G.V.S.,<br>Krishna Mohan,<br>P.G.                                                                                                         | Improved content based<br>image retrieval process<br>based on deep<br>convolutional neural<br>network and salp swarm<br>algorithm                             | International Journal<br>of Image and<br>Graphics                                 | <a href="https://www.worldscientific.com/doi/abs/10.1142/S0219467822500474">https://www.worldscientific.com/doi/abs/10.1142/S0219467822500474</a>                                                                                               |
| 14 | Vijay, V.,<br>Reddy, C.V.S.K.,<br>Pittala, C.S.,<br>Vallabhuni, R.R.,<br>Saritha, M.,<br>Lavanya, M.,<br>Venkateswarlu,<br>S.C., Sreevani,<br>M. | ECG performance<br>validation using<br>operational<br>transconductance amplifier<br>with bias current                                                         | International Journal<br>of Systems<br>Assurance<br>Engineering and<br>Management | <a href="https://link.springer.com/article/10.1007/s13198-021-01372-9">https://link.springer.com/article/10.1007/s13198-021-01372-9</a>                                                                                                         |
| 15 | Kumar, B.S.,<br>Rao, P.T.                                                                                                                        | An Optimal Emperor<br>Penguin Optimization<br>Based Enhanced Flower<br>Pollination Algorithm in<br>WSN for Fault Diagnosis<br>and Prolong Network<br>Lifespan | Wireless Personal<br>Communications                                               | <a href="https://www.springerprofessional.de/en/an-optimal-emperor-penguin-optimization-based-enhanced-flower-po/19577920">https://www.springerprofessional.de/en/an-optimal-emperor-penguin-optimization-based-enhanced-flower-po/19577920</a> |

## Electrical & Electronics Engineering

|   |                                                                                                               |                                                                                                                                                                                       |                                                             |                                                                                                                                                                   |
|---|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Bhukya, M.N.,<br>Kota, V.R.,<br>Depuru, S.R.,<br>Reddy, M.P.P.,<br>Reddy, G.H.                                | An Effective Design and<br>Implementation of Hybrid<br>MPP Tracking Scheme<br>Based on Linear Tangents<br>Neville Interpolation (LT-<br>NI) Technique for<br>Photovoltaic (PV) System | IEEE Access                                                 | <a href="https://ieeexplore.ieee.org/document/9373301?denied=">https://ieeexplore.ieee.org/document/9373301?denied=</a>                                           |
| 2 | Jayachandran,<br>M., Rao, K.P.,<br>Gatla, R.K.,<br>Kalaivani, C.,<br>Kalaarasy, C.,<br>Logasabarirajan,<br>C. | Operational concerns and<br>solutions in smart<br>electricity distribution<br>systems                                                                                                 | Utilities Policy                                            | <a href="https://www.sciencedirect.com/science/article/abs/pii/S0957178721001624#!">https://www.sciencedirect.com/science/article/abs/pii/S0957178721001624#!</a> |
| 3 | Naresh Kumar,<br>A., Suresh<br>Kumar, M.,<br>Ramesha, M.,<br>Gururaj, B.,<br>Srikanth, A.                     | Support vector machine<br>based fault section<br>identification and fault<br>classification scheme in<br>six phase transmission line                                                  | IAES International<br>Journal of Artificial<br>Intelligence | <a href="https://ijai.iaescore.com/index.php/IJAI/article/view/20975">https://ijai.iaescore.com/index.php/IJAI/article/view/20975</a>                             |
| 4 | Lalith, M.S.,<br>Sridhar, P.,<br>Gatla, R.K.,<br>Kumar, A.S.                                                  | Evaluation of surge<br>voltages on the overhead<br>lines due to direct and<br>indirect lightning impulse                                                                              | Journal Europeen des<br>Systemes<br>Automatisees            | <a href="https://www.iieta.org/journals/jesa/paper/10.18280/jesa.540510">https://www.iieta.org/journals/jesa/paper/10.18280/jesa.540510</a>                       |

| Information Technology |                                                                                                                                                                             |                                                                                                                                                                                         |                                                                               |                                                                                                                                                                   |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1                      | Lakshmi, L.,<br>Reddy, M.P.,<br>Santhaiah, C.,<br>Reddy, U.J.                                                                                                               | Smart Phishing Detection<br>in Web Pages using<br>Supervised Deep Learning<br>Classification and<br>Optimization Technique<br>ADAM                                                      | Wireless Personal<br>Communications                                           | <a href="https://link.springer.com/article/10.1007/s11277-021-08196-7">https://link.springer.com/article/10.1007/s11277-021-08196-7</a>                           |
| Freshman Engineering   |                                                                                                                                                                             |                                                                                                                                                                                         |                                                                               |                                                                                                                                                                   |
| 1                      | Yaragani, V.,<br>Kamatam, H.P.,<br>Deva Arun<br>Kumar, K.,<br>Mele, P.,<br>Christy, A.J.,<br>Gunavathy,<br>K.V., Alomairy,<br>S., Al-Buriah,<br>M.S.                        | Erratum: Yaragani et al.<br>Structural, magnetic and<br>gas sensing activity of<br>pure and cr doped in2o3<br>thin films grown by pulsed<br>laser deposition. Coatings<br>2021, 11, 588 | Coatings                                                                      | <a href="https://www.mdpi.com/2079-6412/11/9/1121">https://www.mdpi.com/2079-6412/11/9/1121</a>                                                                   |
| 2                      | Mahboob, S.,<br>Rizwana, Kumar,<br>G.S.                                                                                                                                     | Ozone and NaCl Based<br>Electrolytic Solar Cell;<br>Itâ€™s Working Principle,<br>Advantages and<br>Possibilities                                                                        | Transactions on<br>Electrical and<br>Electronic Materials                     | <a href="https://link.springer.com/article/10.1007%2Fs42341-020-00259-z">https://link.springer.com/article/10.1007%2Fs42341-020-00259-z</a>                       |
| 3                      | Chaitanya, Ch.,<br>Pradeep Kumar,<br>T.V.                                                                                                                                   | The complete product of<br>two fuzzy graphs and its<br>relationship with fuzzy<br>graph isomorphism                                                                                     | South East Asian<br>Journal of<br>Mathematics and<br>Mathematical<br>Sciences | <a href="http://rsmams.org/journals/articleinfo.php?articleid=588&amp;tag=seajmams">http://rsmams.org/journals/articleinfo.php?articleid=588&amp;tag=seajmams</a> |
| 4                      | Rajini, M.,<br>Vinoth, S.,<br>Hariprasad, K.,<br>Karunakaran,<br>M., Kasirajan,<br>K.,<br>Chidhambaram,<br>N., Ahamad, T.,<br>Alshehri, S.M.                                | Tuning the optoelectronic<br>properties of n-CdO:Fe/p-<br>Si photodiodes fabricated<br>by facile perfume atomizer<br>technique for photo-<br>detector applications                      | Applied Physics B:<br>Lasers and Optics                                       | <a href="https://link.springer.com/article/10.1007/s00340-021-07658-x">https://link.springer.com/article/10.1007/s00340-021-07658-x</a>                           |
| 5                      | Diana, P.,<br>Saravanakumar,<br>S., Prasad, K.H.,<br>Sivaganesh, D.,<br>Chidhambaram,<br>N., Isaac, R.S.R.,<br>Alshahrani, T.,<br>Shkir, M.,<br>AlFaify, S., Ali,<br>K.S.S. | Enhanced Photocatalytic<br>Decomposition Efficacy of<br>Novel MgO NPs: Impact<br>of Annealing<br>Temperatures                                                                           | Journal of Inorganic<br>and Organometallic<br>Polymers and<br>Materials       | <a href="https://link.springer.com/article/10.1007/s10904-021-01896-4">https://link.springer.com/article/10.1007/s10904-021-01896-4</a>                           |

## Research & Development

|    |                                                                                                                                           |                                                                                                                                                          |                                                    |                                                                                                                                                                                     |
|----|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6  | Raji, A., Thomas Nesakumar, J.I.E., Mani, S., Perumal, S., Rajangam, V., Thirunavukkarasu, S., Lee, Y.R.                                  | Biowaste-originated heteroatom-doped porous carbonaceous material for electrochemical energy storage application                                         | Journal of Industrial and Engineering Chemistry    | <a href="https://www.sciencedirect.com/science/article/abs/pii/S1226086X2100160X">https://www.sciencedirect.com/science/article/abs/pii/S1226086X2100160X</a>                       |
| 7  | Maheswari, S., Karunakaran, M., Hariprasad, K., Kasirajan, K., Poul Raj, I.L., Chandrasekar, L.B., Alshahrani, T., Shkir, M., AlFaify, S. | Noticeable enhancement in NH <sub>3</sub> sensing performance of nebulizer spray pyrolysis deposited SnO <sub>2</sub> thin films: An effect of Tb doping | Superlattices and Microstructures                  | <a href="https://www.sciencedirect.com/science/article/abs/pii/S0749603621000665">https://www.sciencedirect.com/science/article/abs/pii/S0749603621000665</a>                       |
| 8  | Devi, M.D., Juliet, A.V., Hariprasad, K., Ganesh, V., Ali, H.E., Algarni, H., Yahia, I.S.                                                 | Improved UV Photodetection of Terbium-doped NiO thin films prepared by cost-effective nebulizer spray technique                                          | Materials Science in Semiconductor Processing      | <a href="https://www.sciencedirect.com/science/article/abs/pii/S1369800121000160?via%3Dihub">https://www.sciencedirect.com/science/article/abs/pii/S1369800121000160?via%3Dihub</a> |
| 9  | Prasad, K.H., Kumar, K.D.A., Mele, P., Christy, A.J., Gunavathy, K.V., Alomairy, S., Al-Buriahi, M.S.                                     | Structural, magnetic and gas sensing activity of pure and Cr doped ZnO thin films grown by pulsed laser deposition                                       | Coatings                                           | <a href="https://www.mdpi.com/2079-6412/11/5/588">https://www.mdpi.com/2079-6412/11/5/588</a>                                                                                       |
| 10 | Doni Pon, V., Joseph Wilson, K.S., Hariprasad, K., Ganesh, V., Elhosiny Ali, H., Algarni, H., Yahia, I.S.                                 | Enhancement of optoelectronic properties of ZnO thin films by Al doping for photodetector applications                                                   | Superlattices and Microstructures                  | <a href="https://www.sciencedirect.com/science/article/abs/pii/S0749603620313392">https://www.sciencedirect.com/science/article/abs/pii/S0749603620313392</a>                       |
| 11 | Kumar, B.R., Prasad, K.H., Kasirajan, K., Karunakaran, M., Ganesh, V., Bitla, Y., AlFaify, S., Yahia, I.S.                                | Enhancing the properties of CdO thin films by co-doping with Mn and Fe for photodetector applications                                                    | Sensors and Actuators, A: Physical                 | <a href="https://www.sciencedirect.com/science/article/abs/pii/S0924424721000054">https://www.sciencedirect.com/science/article/abs/pii/S0924424721000054</a>                       |
| 12 | Periyasamy, T., Asrafali, S., Shanmugam, M., Kim, S.-C.                                                                                   | Development of sustainable and antimicrobial film based on polybenzoxazine and cellulose                                                                 | International Journal of Biological Macromolecules | <a href="https://www.sciencedirect.com/science/article/abs/pii/S0141813020352533">https://www.sciencedirect.com/science/article/abs/pii/S0141813020352533</a>                       |
| 13 | Ashraf, I.M., Khan, M.T., Hariprasad, K., Valanarasu, S., Alshahrani, T., Almohammed, A., Algarni, H., Shkir, M., AlFaify, S.             | Enhancement in photodetection properties of Ag/CdS/Ag devices through novel rare-earth metal Tb doping                                                   | Materials Letters                                  | <a href="https://www.sciencedirect.com/science/article/abs/pii/S0167577X20318814">https://www.sciencedirect.com/science/article/abs/pii/S0167577X20318814</a>                       |

## Research & Development

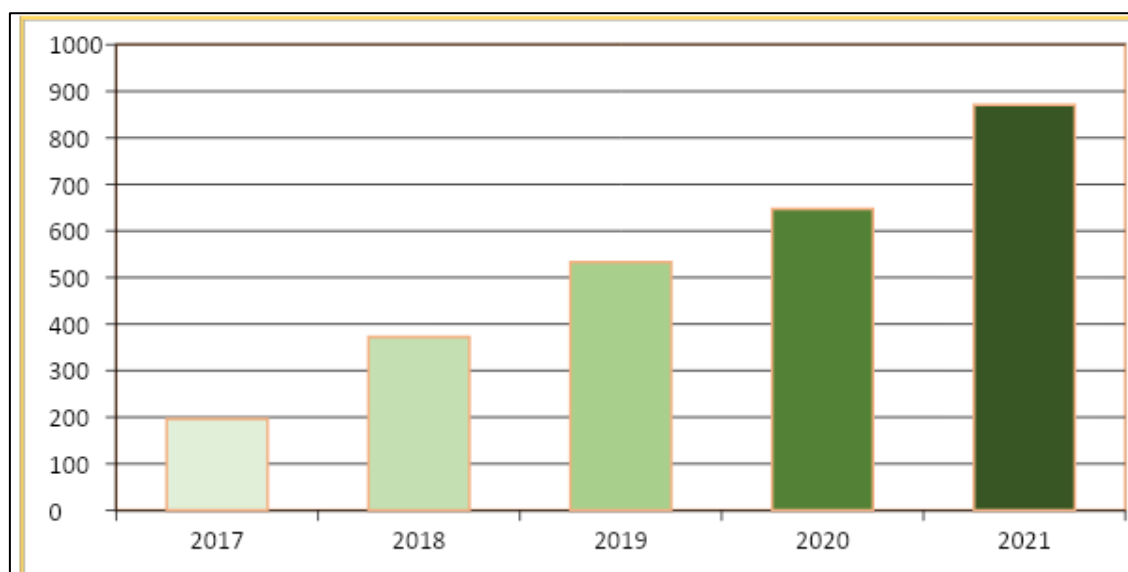
|    |                                                                                                                           |                                                                                                                                                      |                                                       |                                                                                                                                                                                                                 |
|----|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 14 | Maheswari, S., Karunakaran, M., Hariprasad, K., Kasirajan, K., Chandrasekar, L.B., Alshahrani, T., Shkir, M., AIFaify, S. | Enhanced room-temperature ammonia vapor-sensing activity of nebulizer spray pyrolysis fabricated SnO <sub>2</sub> thin films: an effect of Er doping | Journal of Materials Research                         | <a href="https://link.springer.com/article/10.1557%2Fs43578-020-00033-0">https://link.springer.com/article/10.1557%2Fs43578-020-00033-0</a>                                                                     |
| 15 | Gopal, D., Saleem, S., Jagadha, S., Ahmad, F., Othman Almatroud, A., Kishan, N.                                           | Numerical analysis of higher order chemical reaction on electrically MHD nanofluid under influence of viscous dissipation                            | Alexandria Engineering Journal                        | <a href="https://www.sciencedirect.com/science/article/pii/S1110016820306141?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S1110016820306141?via%3Dihub</a>                                     |
| 16 | Atchudan, R., Jebakumar Immanuel Edison, T.N., Shanmugam, M., Perumal, S., Somanathan, T., Lee, Y.R.                      | Sustainable synthesis of carbon quantum dots from banana peel waste using hydrothermal process for in vivo bioimaging                                | Physica E: Low-Dimensional Systems and Nanostructures | <a href="https://www.sciencedirect.com/science/article/abs/pii/S1386947720306962?via%3Dihub">https://www.sciencedirect.com/science/article/abs/pii/S1386947720306962?via%3Dihub</a>                             |
| 17 | Jagadha, S., Hari Shing Naik, S., Durgaprasad, P., Naresh Kumar, A., Naikoti, K.                                          | Radiative Newtonian Carreau nanofluid through stretching cylinder considering the first-order chemical reaction                                      | International Journal of Ambient Energy               | <a href="https://www.tandfonline.com/doi/abs/10.1080/01430750.2021.1929473?tab=permissions&amp;scroll=top">https://www.tandfonline.com/doi/abs/10.1080/01430750.2021.1929473?tab=permissions&amp;scroll=top</a> |
| 18 | Bhattacharya, T., Pandey, S.K., Pandey, V.C., Kumar, A.                                                                   | Potential and safe utilization of Fly ash as fertilizer for <i>Pisum sativum</i> L. Grown in phytoremediated and non-phytoremediated amendments      | Environmental Science and Pollution Research          | <a href="https://link.springer.com/article/10.1007/s11356-021-14179-9">https://link.springer.com/article/10.1007/s11356-021-14179-9</a>                                                                         |
| 19 | Aruna, P., Prasad, P.R., Sandhya, P., Seshagiri Rao, N.V.S.S., Sreedhar, N.Y.                                             | Biosynthesis of Fe <sub>2</sub> O <sub>3</sub> -CdO nanocomposites for electrochemical detection of chloridazon herbicide                            | Biointerface Research in Applied Chemistry            | <a href="https://biointerfaceresearch.com/wp-content/uploads/2021/10/20695837125.57725784.pdf">https://biointerfaceresearch.com/wp-content/uploads/2021/10/20695837125.57725784.pdf</a>                         |
| 20 | Syed, M., Rizwana, Prasad, G., Kumar, G.S.                                                                                | Experimental and simulation studies on dielectric, AC resistivity and electromechanical properties of sodium bismuth titanate based ceramics         | Ferroelectrics                                        | <a href="https://www.tandfonline.com/doi/abs/10.1080/00150193.2021.1984765?tab=permissions&amp;scroll=top">https://www.tandfonline.com/doi/abs/10.1080/00150193.2021.1984765?tab=permissions&amp;scroll=top</a> |
| 21 | Kalpna, K., Rani, V.A., Seshadri, S., Kiran, B.R.                                                                         | An Efficient Ionic Liquid Medium for the Synthesis of Chromeno[b]pyridines as Potential Anticancer Agents                                            | Russian Journal of Organic Chemistry                  | <a href="https://link.springer.com/article/10.1134/S1070428021090177">https://link.springer.com/article/10.1134/S1070428021090177</a>                                                                           |

|    |                                               |                                                                                                                                                                                                                                               |                                                                                    |                                                                                                                                                               |
|----|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 22 | Mahboob, S., Rizwana, Prasad, G., Kumar, G.S. | Dielectric, impedance and resistivity studies on [Ba(Nd <sub>0.1</sub> Ti <sub>0.8</sub> Nb <sub>0.1</sub> )O <sub>3</sub> ] 0.40[(Na <sub>0.5</sub> Bi <sub>0.5</sub> )TiO <sub>3</sub> ]0.40[CaTiO <sub>3</sub> ]0.20 piezoelectric ceramic | Materials Science and Engineering B: Solid-State Materials for Advanced Technology | <a href="https://www.sciencedirect.com/science/article/abs/pii/S0921510720303305">https://www.sciencedirect.com/science/article/abs/pii/S0921510720303305</a> |
|----|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|

### **BOOK CHAPTERS PUBLICATIONS (2020-21)**

1. Sri Lalitha, Y., Gayathri, Y., Aditya Nag, M.V., Althaf Hussain Basha, S., 2021, Student Performance Prediction – A Data Science Approach, Studies in Computational Intelligence, 956: 115-125; 10.1007/978-3-030-68291-0\_10.
2. Abbagalla, S., Rupa Devi, B., Anjaiah, P., Reddy Madhavi, K., 2021, Analysis of COVID-19-Impacted Zone Using Machine Learning Algorithms, Lecture Notes on Data Engineering and Communications Technologies, 63: 621-627; 10.1007/978-981-16-0081-4\_62.
3. Kandasamy, N., Sanjeevaiah, C., Telagam, N., Merisala, R., 2021, Hybrid 4:16 Decoder Using Variable Bias GDI Technique, Lecture Notes in Electrical Engineering, 711: 637-647; 10.1007/978-981-15-9019-1\_55.
4. Sirisha Devi, J., Vijaya Bhaskar Reddy, P., 2021, Multimodal Emotion Analytics for E-Learning, Lecture Notes on Data Engineering and Communications Technologies, 57: 593-602; 10.1007/978-981-15-9509-7\_48.
5. Myneni, M.B., Sirivella, S.A., 2021, A Multi-objective Optimization Scheduling Algorithm in Cloud Computing, Lecture Notes in Networks and Systems, 127: 57-65; 10.1007/978-981-15-4218-3\_6.
6. Myneni Madhu Bala, Venkata Krishnaiah Ravilla, Kamakshi Prasad V, Research Anthology on Strategies for Using Social Media as a Service and Tool in Business, 9781799890218, 27, 10.4018/978-1-7998-9020-1.ch039.

## CITATIONS



## International Collaborations

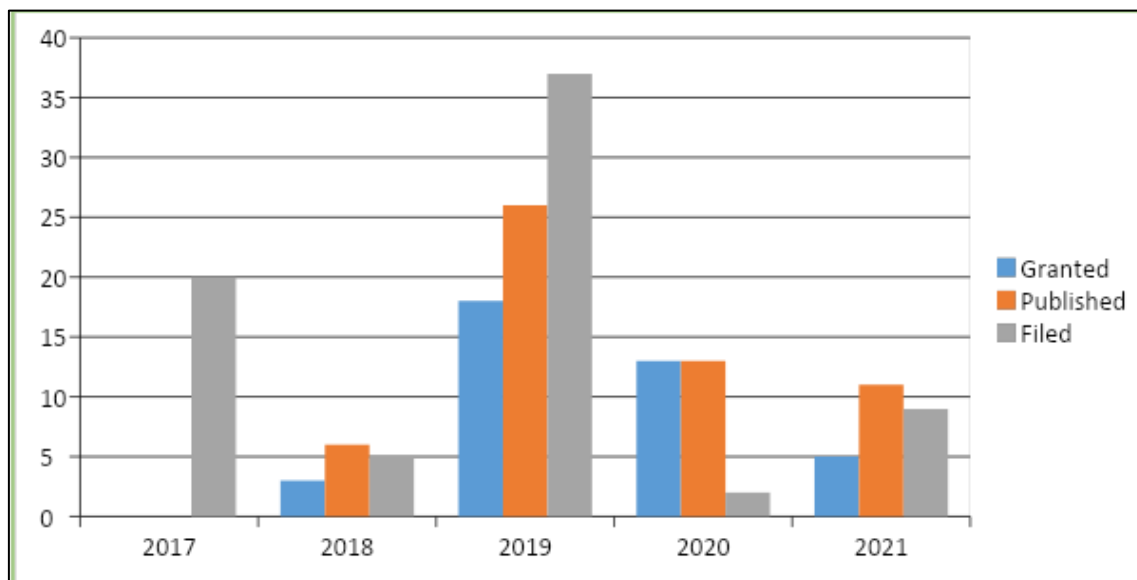
International academic exchange agreements between Institute of Aeronautical Engineering (IARE) with many top educational institutions around the world to study and gain in-depth exposure to a different study environment. This prepares the students to adapt to and excel in a global work environment, while helping them to understand different cultures, work styles, and mindsets. The Institute is developing various study abroad programs and expanding its research presence around the world.

| S.No | Name of the University                          | Address                   | Date               |
|------|-------------------------------------------------|---------------------------|--------------------|
| 1    | Nakhon Pathom Rajabhat University               | Thailand.                 | 16 September, 2018 |
| 2    | King Mongkut,s Institute of Technology          | Thailand                  | 29 October, 2018   |
| 3    | Southern University and A&M College             | Baton Rouge, USA          | 04 December, 2018  |
| 4    | Center for Innovative Materials & Architectures | Ho Chi Minh City, Vietnam | 08 January, 2019   |
| 5    | University of Malaya                            | Malaysia                  |                    |
| 6    | Institut Teknologi Bandung                      | Indonesia                 |                    |



**SUMMARY OF INTELLECTUAL PROPERTY RIGHTS (IPR) FILED BY IARE**  
**(as Applicant only)**

| Patents<br>(Utility /Design) | Calendar Year |          |           |           |           |
|------------------------------|---------------|----------|-----------|-----------|-----------|
|                              | 2017          | 2018     | 2019      | 2020      | 2021      |
| <b>Granted</b>               | <b>0</b>      | <b>3</b> | <b>18</b> | <b>13</b> | <b>5</b>  |
| <b>Published</b>             | <b>0</b>      | <b>6</b> | <b>26</b> | <b>13</b> | <b>11</b> |
| <b>Filed</b>                 | <b>20</b>     | <b>5</b> | <b>37</b> | <b>2</b>  | <b>9</b>  |



**DESIGN PATENTS FILED**

| S.No | Title of Invention              | Application Number | Inventor's Name   | Year of Filing | Year of Grant & Publication | Current Status |
|------|---------------------------------|--------------------|-------------------|----------------|-----------------------------|----------------|
| 1    | Hybrid Rocket Detonation System | 350501-001         | Mr. S Srikrishnan | 2021           | -----                       | Pending        |

### UTILITY PATENTS FILED

| S.No | Title of Invention                                                                                                     | Application Number | Inventor's Name           | Year of Filing | Year of Publication | Current Status |
|------|------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------|----------------|---------------------|----------------|
| 1    | Artificial Intelligence Based Smart Home Automation System Using Internet of Things                                    | 202041057023       | Dr. S China Venkateswarlu | 2020           | 2021                | Pending        |
| 2    | Durable Ultra-low Power Cardiac Pacemaker Device                                                                       | 202141001092       | Mr. A Jagadish Babu       | 2021           | 2021                | Pending        |
| 3    | Graphitic carbon derived from waste tissue papers for sodium-ion capacitors and their preparation method thereof       | 202141012943       | Dr. K Hari Prasad         | 2021           | 2021                | Pending        |
| 4    | Electrospun nanocomposite quasi-solid electrolytes for dye-sensitized solar cells and their preparation method thereof | 202141012944       | Dr. K Hari Prasad         | 2021           | 2021                | Pending        |
| 5    | Thermo-Electric Shoes with Automatic Temperature Control                                                               | 202141001091       | Dr. G Manisha             | 2021           | 2021                | Pending        |
| 6    | Remote Control Plane Working on Magnetic Repulsion Propulsion System                                                   | 202141003723       | Mr.Siva Sai Siddartha     | 2021           | -----               | Pending        |
| 7    | Copter with Foldable Wings Robot                                                                                       | 202141003724       | Mr.Siva Sai Siddartha     | 2021           | -----               | Pending        |
| 8    | Copter with Coiled Arms Robot                                                                                          | 202141003725       | Mr.Siva Sai Siddartha     | 2021           | -----               | Pending        |
| 9    | Centicopter Robot                                                                                                      | 202141003726       | Mr.Siva Sai Siddartha     | 2021           | -----               | Pending        |
| 10   | PbO nanofibers for lithium-ion batteries and its preparation method thereof                                            | 202041057561       | Dr. Hari Prasad Kamatam   | 2020           | 2021                | Pending        |

### **Grants Received**

IARE has twelve sponsored research projects and has received grants of worth Rs. 558 lakhs for research and other activities by different agencies including DST, AICTE, UGC etc. The institute has a record of intellectual property with 4000+ research paper publications by faculty as well as students and 1500+ citations, 23 patents in last 5 years. Internal Revenue Generation through consultancy facilitates and promotes activities pertaining to energy audit, mobile apps, Golabs-BuildIT coding module, Intellect Campus Management and office automation, exam and result automation, drones in agriculture, agricultural tools, and material testing.

### CENTRAL FACILITIES

#### CENTRAL LIBRARY

The IARE Library is considered one of the most resourceful centres in twin cities since it caters to the current educational need on a wide scale. The institute has a duplex library which is spacious and voluminous enough to accommodate more than **35000** volumes of books. The first floor has Circulation Books, News Papers, Back Volumes of the Periodicals whereas the Second floor accommodates Reference Books, Current Periodicals, etc.



It has a modern infrastructure with a reading capacity of 500 students and **35000** volumes of books. It has subscribed to more than **180** online journals of IEEE, ASME and it is subscribing more than **156** Indian Journals & Magazines in print.



Digital library with 40 systems to access E-journals, E-books, E-learning, Multimedia Center and photocopying are made available for the convenience of the users. N-LIST E resources (Through INFLIBNET), NPTEL facility (National Programme on Technology Enhanced Learning) to access video lectures and Membership of DELNET (Inter library loan) for resource sharing. Library is fully computerized with bar-coding system.



The library has also been Information Centre providing information and intellectual requirements to its students and faculty with user-friendly approach. It offers a fully integrated and dynamic environment for conducting academic study. Multiple copies ensure that resources are easily available in Reference Section and Stack Section as well.

## LIBRARY COLLECTION

| S.No     | Course(s)                                      | Number of |         | Journals |               |
|----------|------------------------------------------------|-----------|---------|----------|---------------|
|          |                                                | Titles    | Volumes | National | International |
| 1        | Aeronautical Engineering                       | 597       | 4857    | 12       | 3             |
| 2        | Mechanical Engineering                         | 699       | 6395    | 12       | 2             |
| 3        | ECE                                            | 1051      | 9127    | 18       | 6             |
| 4        | EEE                                            | 630       | 5054    | 6        | 6             |
| 5        | CSE & IT                                       | 1300      | 11364   | 24       | 6             |
| 6        | Civil                                          | 603       | 3579    | 12       | 2             |
| 7        | Humanities & Basic Sciences                    | 1238      | 7044    | 16       | 6             |
| 8        | MBA                                            | 622       | 3103    | 12       | 6             |
| M. TECH. |                                                |           |         |          |               |
| 1        | M.Tech., Computer Science Engg.                | 268       | 1255    | 5        | 5             |
| 2        | M.Tech., Aerospace Engg.                       | 181       | 982     | 5        | 5             |
| 3        | M.Tech., Software Engg.                        | 169       | 986     | 5        | 5             |
| 4        | M.Tech., Information Technology                | 132       | 572     | 5        | 5             |
| 5        | M.Tech., VLSI                                  | 105       | 548     | 5        | 5             |
| 6        | M.Tech., CAD/CAM                               | 268       | 750     | 5        | 5             |
| 7        | M.Tech Embedded systems                        | 116       | 716     | 5        | 5             |
| 8        | M.Tech Structural Engineering                  | 112       | 623     | 5        | 5             |
| 9        | M.Tech Power Electronics and Electrical Drives | 108       | 320     | 5        | 5             |
| 10       | TOTAL                                          | 7962      | 56155   | 157      | 88            |

### E- Library facilities

- ✓ Open Access Journals/Useful Links
- ✓ DELNET/Inter Library Loan
- ✓ NPTEL/MIT Video Courses
- ✓ JNTUH eLSDM e-Learning
- ✓ Scopus Database Access
- ✓ AICTE MOOC-SWAYAM
- ✓ National Digital Library Access

## Central Facilities

### Computer Centre:

At IARE, more than 81 air conditioned computer laboratories across the campus housing over 1600 computers for use by the students and the staff. High-end, sophisticated computing facilities are available to meet academic and project requirements, and to encourage research activities. Further, the computers providing an excellent computational environment comprise multiple operating systems-Microsoft Windows, Linux and UNIX, and can be accessed from any of the nodes attached to the servers across the campus through UTP and fiber optic backbone.

| SOFTWARE PACKAGES |                            |                          |
|-------------------|----------------------------|--------------------------|
| HYPER MESH        | CADENCE                    | ANSYS                    |
| UNIGRAPHICS       | PSCAD                      | STAADPRO                 |
| SOLID WORKS       | MULTISIM                   | ECLIPSE                  |
| AUTODESK SUITE    | MI-POWER                   | NASTRAN                  |
| XILINKS           | COMPUTER ASSISTED LANGUAGE | ADAMS                    |
| ORCAD             | SOFTWARE DEFINED RADIO NI  | LABVIEW                  |
| KEIL              | CLEMENTINE                 | IBM WATSON ANALYTICS     |
| RATIONAL ROSE     | RATIONAL FUNCTIONAL TESTER | CATIA                    |
| MATLAB            | SAP                        | NETBEANS 7.X WITH JAVA 7 |
| ORACLE            | INFORMATICA                | AMAZON & ANEKA CLOUD     |
| PYTHON            | NODEJS   ANGULARJS         | AUTODESK REVIT           |
| PROTEUS           | AUTOCAD                    | VIVADO LATEST            |
| TABULAE           | R/R STUDIO                 | MULTISIM                 |
| HYPERWORKS        | STARUML                    | CADEM                    |

At IARE, up-to-date software environment with 42 ultra modern computer laboratories that are home to over 1600 computers offers computing facilities to meet academic, project, and research requirements. This is made possible by connecting the servers across the campus through fiber optic backbone. 120 KVA uninterruptible power supply system with 480 KVA Diesel green generator sets are exclusively catering to the needs of the computer center. Broadband 600 Mbps internet facility is available through wireless connectivity.

### INTERNET

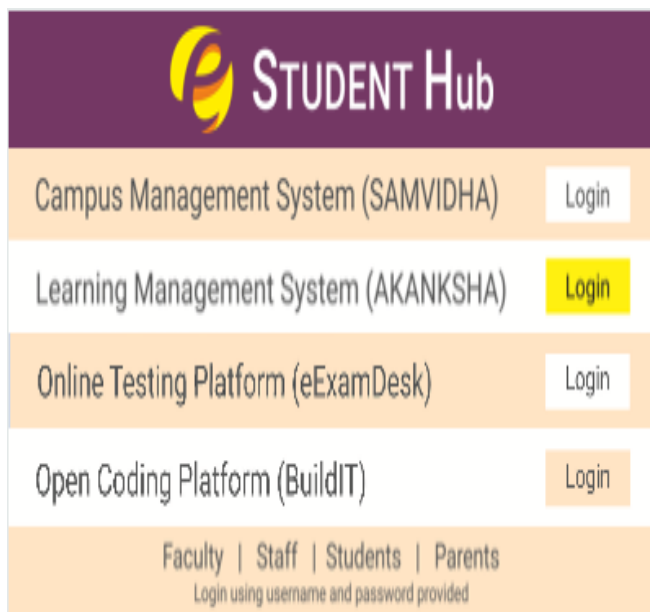
Campus-wide networking with 700 Mbps internet connectivity, Wi-Fi and CCTV facility is available. The Institute uses legal software as a practice. It has set up a dedicated license server for major development related software that is part of the curriculum.

### WEBSITE AND E-MAIL

The Institute information can be availed on website [www.iare.ac.in](http://www.iare.ac.in). For any queries/suggestions one can mail to [principal@iare.ac.in](mailto:principal@iare.ac.in). Students can also use Intellect CMS Login in the institute for day to day useful information and notices.

### INTELLECT CAMPUS MANAGEMENT SYSTEM

We believe that to be leaders in the real world, students must develop the intellectual breadth and creativity to tackle the challenges of increasing complexity, globalization, and rapid change. The Total Student Development Program (TSDP) focuses on every aspect of a student's personality, helping him/her to develop interpersonal, technical, and business skills.



| LEARNING MANAGEMENT SYSTEM |                                                                   |
|----------------------------|-------------------------------------------------------------------|
| ❑ CMS                      | Campus Management System (SAMVIDHA)                               |
| ❑ LMS                      | Learning Management System (AKANKSHA)                             |
| ❑ OTP                      | Online Testing Platform(eExamDesk)                                |
| ❑ BuildIT                  | Programming Tutorials   Coding Hackathons                         |
| ❑ ELRV                     | MOOC   Online Classes   Recorded Video Lectures                   |
| ❑ METE                     | Project to Product Modeling and Experimental Tools in Engineering |
| ❑ BOOT CAMPS               | Summer Training                                                   |
| ❑ DHANUSH                  | Company Specific Tests   Online Proficiency Test                  |
| ❑ CONCOCT                  | Innovative Idea Presentation                                      |



## Central Facilities

### Infrastructure



|                                                                  |                                                                      |                                    |
|------------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------|
| SANGEET<br>AUDITORIUM<br>Air Conditioned<br>800 Seating Capacity | 65<br>SMART CLASS ROOMS<br>(34+ Ultra Modern<br>and Air Conditioned) | 17<br>ACRES LAND                   |
| OPEN<br>AIR THEATRE<br>300 seating capacity                      | 103<br>LABORATORIES<br>(81+ Air Conditioned)                         | 3, 37, 500<br>Sft.<br>BUILTUP AREA |

## **IN-HOUSE QUALITY IMPROVEMENT**

### **PROGRAM**

The in-house quality improvement program (IHQIP) aims at optimizing teaching and learning methods in the teaching-learning process. It works on three distinct fronts.

- Sets up systems for accountability and continuous improvement in the classroom.
- Creates an environment where each student is constantly motivated to excel and reach new heights.
- Provides proactive career management facilities that help students find internships and campus placement jobs.

## **CAREER DEVELOPMENT CENTRE**

IARE has been consistently improving its placement record with more than 75% students being placed in various reputed organizations. The Career Development Cell (CDC) plays a pivotal role in building the career of aspiring engineers enabling them to hone their skills in order to reach their desired goals. Our industry-institute interactions have been instrumental in getting some of the renowned MNCs to the institute and conduct on campus recruitment drives. CDC believes in combining the three facets that together spell success - Ability, Motivation and Attitude. To strengthen one's forte in today's ever challenging technical world, engineers require exemplary technical expertise combined with effective inter personal skills.

The PAT center holds an impressive testimony of continuously maintaining an upward curve in terms of the percentage of eligible students placed thereby building a good placement record during its oncampus drive and also for attracting more and more MNCs from across the globe.

### **OBJECTIVES:**

- To place final year students in respectable organizations through campus recruitment.
- To provide industrial training to students during their course of study.
- To organize lectures, seminars, group discussions, mock interviews etc. for career guidance, entrepreneurship and personality development.
- To provide information and assistance to students regarding opportunities for self-employment and job opportunities in India and abroad.



## Central Facilities

- To provide opportunities for higher studies in India and abroad. To prepare students for competitive examinations like GRE, GMAT, TOEFL, GATE, CAT etc



## INCUBATION SPACE

Maker Space, Technology Innovation and Incubation Centre, Science and Technology Start-Up Park, ASPIRE- TBI Centre, and Community Innovation Centre all contribute to the ecosystem of a technological campus incubator, assisting innovators and start-ups in attaining their goals.

| S.No | Name of the Facility                               | Facilities                                                                                                     |
|------|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| 1    | Maker Space                                        | -10,000 sq. ft Area<br>-Plant & Machinery for prototyping                                                      |
| 2    | Technology Innovation and incubation Centre (TIIC) | - 10,000 sq.ft area<br>- Office space (70 seating capacity)                                                    |
| 3    | Science and Technology Startup Park (STSP)         | - 7500 sq.ft Area<br>- Office space (18 seating capacity)                                                      |
| 4    | MSME ASPIRE TBI (Funded by MSME)                   | - 6000 sq.ft Area<br>- Infrastructure for Product Development<br>- Machinery available for Smart Manufacturing |

## Central Facilities

|   |                                                                        |                                                                                                                                       |
|---|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 5 | Common facilitation centre for SC/ST Women Empowerment (Funded by DST) | - 5000 sq.ft Area<br>- Infrastructure (Garment & Textiles, Engineering & Design)<br>– 51 Machinery available for training activities. |
|---|------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|

### MAKERS SPACE

This 10,000sq.ft. exciting Makers space is furnished with equipment ranging from small 3D printers to large industrial machining centers, such as, precision measurement and laser



cutting machines, Computer Numerical Control (CNC) machining, industry-standard lathes, milling machines and metal sheet cutters, rapid prototyping technology – multimaterial 3D printers, laser cutters and vacuum casting systems.

### KEY FEATURES OF THE SPACE INCLUDE:

- Product Design and Prototyping
- Industry Standard Computer Aided Design (CAD)
- Machining (CAM) Software
- CNC Machining
- Additive Manufacturing (3D Printing)
- Metalwork and Welding
- Electronics Design, Assembly, and Manufacturing
- Industrial Metrology (Measurement and Verification)

## Central Facilities





## Central Facilities

### **TECHNOLOGY INNOVATION AND INCUBATION CENTRE (TIIC):-**

Technology Innovation and Incubation Centre (TIIC) has been started in the year 2016 with an ample closet space of 10000 sft in institute premises. The TIIC centre enables the infrastructural support to students and faculty to convert their ideas into final products. This centre is recognized as business incubator by ministry of Micro Small and Medium Enterprises (MSME) through which any student, faculty and innovators can apply for seed fund and capital fund support. The ministry of MSME has sanctioned technology business incubator (TBI) with a grant of 92.47 lakhs to procure plant and machinery towards smart manufacturing sectors. In addition, the institute has the Maker Space, Science and Technology Start-Up park, IPR cell and centre of excellences in all emerging areas of engineering to support students and faculty innovations. During the last five years 60 students/faculty innovations has been supported and generated 21 patents.

Innovation and Incubation Centre is a space for new age entrepreneurs and young minds to transform their innovative ideas into viable business propositions. TIIC will ensure that incubates have access to technological assistance which will be generated through mentors with multidisciplinary expertise. We encourage young enthusiasts with creative pursuits with an inherent zeal to be entrepreneurs to take advantage of this novel initiative.

### **OBJECTIVES**

- Identifying ideas, Proof of Concepts (POC), prototypes and translating them into product development and MVP stages through TRL activities.
- Conducting Ideathons, Hackathons and Boot camps to engage and develop interest among all students, faculties and Innovators.
- To create infrastructure for rapid prototyping, product development and MVP stage of Innovations.
- To inculcate generation of IPR's among the faculty members, students and Innovators.
- Effective implementation of Pre-Incubation Program.



### **STEERING COMMITTEE**

The Innovation Steering Committee represents a guiding coalition to set innovation priorities, change the culture, allocate resources, and make decisions. The committee explores emerging innovations and effective practices, helps their stakeholders to understand the related challenges and opportunities. The Committee evaluates issues and challenges and makes recommendations to the Board / Management on innovation policies, plans, and tactics for addressing identified challenges and opportunities. The Committee may commission the annual operating and capital budgets approved by the Board.

| S.No | Name                     | Designation              | Organization                                                                     | Role            |
|------|--------------------------|--------------------------|----------------------------------------------------------------------------------|-----------------|
| 1    | Dr. L V Narasimha Prasad | Principal                | IARE, Hyderabad                                                                  | Chairman        |
| 2    | Dr. M Pala Prasad Reddy  | Associate Professor      | IARE, Hyderabad                                                                  | Convener        |
| 3    | Sr. Ch Jayasimha Reddy   | CEO                      | MTE Industries, Hyderabad                                                        | External member |
| 4    | Dr.Zahoorullah S MD      | Chief Innovation Officer | Atal Incubation Centre ALEAP WE Hub, Supported by AIM NITI AAYOG GOI, Hyderabad. | External Member |
| 5    | Dr. Ch. Srinivasulu      | Professor                | IARE, Hyderabad                                                                  | Internal Member |
| 6    | Dr. N Sambasiva Rao      | Professor                | IARE, Hyderabad                                                                  | Internal Member |
| 7    | Dr. GVR Seshagiri Rao    | Associate Professor      | IARE, Hyderabad                                                                  | Internal Member |
| 8    | Dr. Surekha Reddy B      | Associate Professor      | IARE, Hyderabad                                                                  | Internal Member |

## Central Facilities

|    |                   |                     |                 |                 |
|----|-------------------|---------------------|-----------------|-----------------|
| 9  | Mr. N Venkata Rao | Assistant Professor | IARE, Hyderabad | Internal Member |
| 10 | Mr. V Raghavender | Assistant Professor | IARE, Hyderabad | Internal Member |

## ECO SYSTEM

Innovation ecosystems create an active flow of information and resources for ideas to transform into reality. Through these ecosystems, we are building a process by which more innovators and entrepreneurs can develop and launch solutions to solve real-world problems, faster. This process creates expertise in new areas, helps to diversify the economy, and allows businesses to meet their customers where they are. Additionally, an innovation ecosystem provides the means to create economic stability and resource sharing.

| Phase           | Ecosystem Layer                     | Key Interventions                                                                                                                                                                                                    |
|-----------------|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pre- Incubation | <b>Exposure / Culture- Building</b> | Outreach to student<br>Literacy program in Innovation/ IPR<br>Engaging various Stakeholders<br>Changing Mindset<br>Conducive and creative environment                                                                |
|                 | <b>Ideas / Innovation</b>           | Design Thinking & Ideation<br>Problem solving skills<br>Projects to proof of concepts<br>Common infrastructure & resources<br>Start-Ups and other business ideas<br>Ecosystem Building<br>IP Creation and Protection |

## THRUST AREAS

- Smart Manufacturing
- Micro Air Vehicle (MAV) and Unmanned Air Vehicle (UAV)
- Waste Management
- Mobile Computing and Internet of Things (IOT)
- Artificial Intelligence and Machine Learning
- Cyber Security and Data Science

## Central Facilities

- Hybrid Electric Vehicles
- Sensors and Embedded Systems
- Agriculture and allied sectors
- Advanced Composite Materials
- Robotics and Automation
- Drone Technology
- Image Processing and Computer Processing

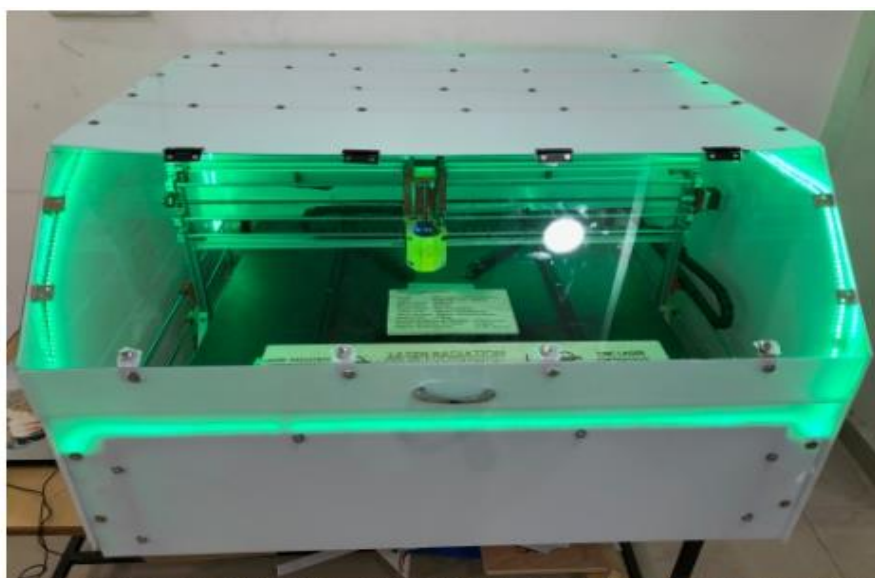
## PRODUCTS DEVELOPED



BIO-INSPIRED MICRO AIR VEHICLE



BLINDS APRON



CNC LASER CUTTING MACHINE WITH MULTIPLE OPERATIONS

## Central Facilities



SOLAR POWERED TRICYCLE FOR PHYSICALLY CHALLENGED PERSONS

### **STSP- Science and Technology Start-Up Park**

Science and Technology Start-Up Park established in the year 2017 with an office space of 7500 Sq.ft for Incubation support within the premises of the Institute. STSP is pioneer in the region for supporting the entrepreneurs to establish successful business with a special focus on Smart Manufacturing and Unmanned Aerial Vehicles. The ecosystem for incubation program is Start-Up friendly with minimal overhead on Start-Up and benefits provided in terms of access to facilities and seed fund support.

The financial institutions like MSME, CITD, NRDC and DST extending their support for resource mobilization. To facilitate development of an entrepreneurial ecosystem, institute allocates a separate fund for supporting innovation and Start-Ups related activities which is approximately 1.5% of total annual budget of institute.



## Central Facilities

### **OBJECTIVES**

- Skilling and training of students, faculty, innovators and entrepreneurs to take up startup and entrepreneurship which will be achieved by entrepreneurship and startup development program.
- Identifying ideas, proof of concepts (poc), prototypes and translating them into product development and mvp stages through trl activities.
- To establish world class incubation centers supported by different govt. Agencies like dst, msme, niti aayog etc.
- Bridging the gap of research and commercialization of products flanking faculty members to adopt rather than sticking to research publications.
- Empowering startups for business technology and marketing support.
- Strengthening the partnerships with various stakeholders from industry, r & d, financial institutions and academia enabling a complete spinoff of synergies with mutual support and outcome.

### **MSME ASPIRE TBI (Funded by MSME under ASPIRE Scheme):**

Institute of Aeronautical Engineering established Technology Business Incubator (TBI) centre in the year 2019 with the support of Ministry of Micro, Small and Medium Enterprises (MSME) under A Scheme for Promotion of Innovation, Rural Industry & Entrepreneurship. The TBI centre is located in the premises of institute with a built-up area of 6,414 sft.

The TBI centre acts as a platform for the provision of developing the products and experiential learning so as to fulfill the objectives of the National Education Policy 2020. The Incubation Centre aims at fostering innovative research and entrepreneurial activities in Engineering and Technology. It provides a suitable platform for young entrepreneurs and converts their innovative ideas into high-quality products.

The chief objective of the centre is to encourage graduates to share their thoughts on the selected issues to review, refine, and process their ideas. Incubation centre emphasizes on providing an environment for the establishment of the proposed ideas and redesigning them to a level of business esteem. After fruitful and constructive incubation, the ideas will be Implemented and the incubatees will be directed towards setting up a business undertaking.

The present incubating facilities are shared with the Department of Agriculture, National Small Scale Industrial Consultancy (NSIC) in collaboration with various local agricultural departments, local

## Central Facilities

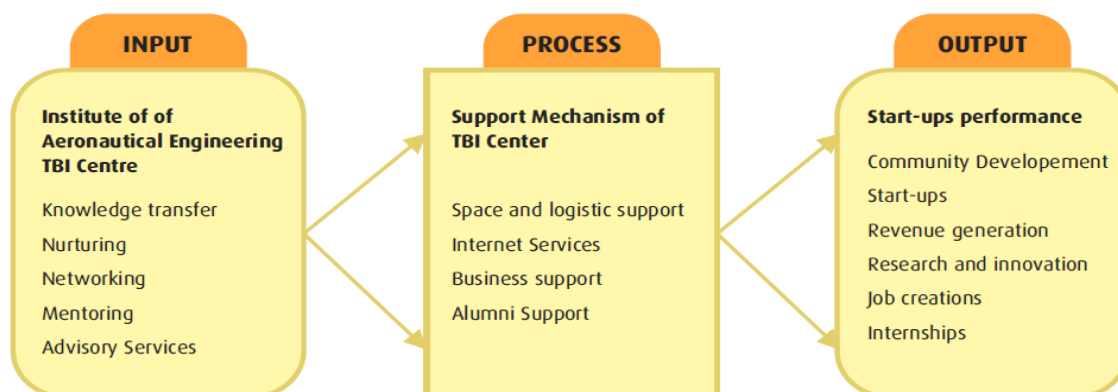
farmers in the region. Many campaigning programs have been conducted across various engineering colleges to create awareness and sharpen the ideas in new incubate. IARE-TBI center initiates to organize various large-scale seminars, workshops, Technology Entrepreneurship Development Programs (TEDP). Entrepreneurship Sensitization Development Program (ESDP) in Telangana. These programs attract prospective entrepreneur to interact IARE-TBI center for skill and technology transfer in building-up prototype models in smart manufacturing and agriculture.

## OBJECTIVES

The TBI under the ASPIRE is setup with the following objectives:

- To appraise the extent to which nurturing is influenced by research and innovation
- To investigate the effect of mentoring on entrepreneurship development and job creation
- To assess the impact of networking on business development
- To examine the relationship between knowledge transfer and commercialization of products.

## Conceptual model of Institute of Aeronautical Engineering – TBI Centre:



## COMMUNITY INNOVATION

### TRIBAL WOMEN EMPOWERMENT AND DEVELOPMENT PROJECT

The institute has received ₹1,60,10,115.00 funding from Department of Science and Technology, Government of India for the project titled “**Poverty alleviation and upliftment of women through mechanized manufacturing of traditional ornaments and house hold products**” in the year 2020. The project was envisioned by Dr. D. Shobha Rani for the empowerment of tribal women living in the vicinity of the institute.

**Tribal women** (i.e., Lambada women or also called as Banjara's) living in Dundigalthanda I and II are manufacturing their own ethnic dresses, traditional ornaments and household decorative items. Their ethnic dresses are having rich mirror work and traditional ornaments such as plated hair locks, bejewels (tukri), white bangles (bandiya), rings, chains and coins are predominantly manufactured

## Central Facilities

using shells, crude metals and lucky amulets. Decorative household items are manufactured with wood, clay, roots and barks. It is worthful to state that all the above items listed are manufactured by their own hands using their traditional knowledge and skill, which is a time taking process and their work is not getting appreciable revenue. The genre of traditional knowledge and skill owned by every individual woman are to be identified and trained in such a manner that their traditional work is merged with machines to yield a fruitful development in terms of revenue and lifestyle.

The intervention is to mechanize five such traditional methods like bangle making, chain making, coin making, wood carving and embroidery to produce fabricated machinery from the institute to increase productivity to meet the market demand and increase the livelihood of the tribal women and encouraging the migrated workers back to the ethnic business.

### **APPROVED OBJECTIVES:**

- To improve the traditional knowledge and skills of the women artisans of tribal community of Dundigal thanda by introduction of mechanized processes.
- Infusion of robust technologies to aid the manufacturing of traditional ornaments.
- To establish a mechanized common facility centre for product diversification and training.
- Creation of social entrepreneurship by establishing forward linkages.

### **CNC BASED WOOD/CLAY/BARK AND ROOT CARVING MACHINE:**



Wood based toys, clay based ceramic earthen tiles and pots, bark and root-based articles have a common ground being that the design made are either carved or ground into the base materials after processing. Handmade tools and handicrafts take a long duration to complete. Mechanized process using laser or carving tools on top of wood or clay using a CNC algorithm may reduce the man hours required to produce the same article and further reduce the cycle time for the product with a versatile surface finish.

## Central Facilities

### COIN STAMPING AND SPOT-WELDING SETUP:

Ethnic jewellery making include currency coins, other metallic coins and amulets of metal. The blank coins are mostly made by mass casting or stamping. Die stamp and spot weld technology can be incorporated into a single machine setup where multiple rings can be welded to the surface of the coins and a variety of design dies can be made use for patterning on the surface of the coins for further processing.



### IMAGE BASED MECHANIZED EMBROIDERY MACHINE:

Ethnic art include the handmade embroidered cloths, scarves and carpets which takes a long time to make and have intrinsic patterns signifying the family of cloth workers. Image processing technology and CNC based sewing machine is proposed in this work where a previous design or pattern is captured or fed into the machine through the image reader and based on the design the sewing machine operated by CNC algorithm defines the path of the needles for the effective pattern making. The cycle time of said machines are relatively lower than that of the handmade process and lean time for the material is also reduced making the overall production effective and rapid.



### ICT FACILITIES AT THE CAMPUS

Institute of Aeronautical Engineering, since last few years has given special thrust on development of state-of-the-art ICT Infrastructure and facilities for all the stakeholders of the University to improve the quality of teaching-learning process and students services. The Computer Centre has been entrusted to implement and maintain various innovative ICT infrastructure and facilities under the ICT Working Committee.



#### **1. ICT enabled Smart Campus:**

IARE initiated the process of converting the Campus to become a smart Campus as a part of the Digital India Programme. We have successfully achieved this mission with the implementation of the following ICT Infrastructure and facilities in the Campus. All the projects has been implemented through ICT.

#### **2. Wi-Fi enabled Campus and facilities to all stakeholders:**

The complete campus (academic and residential) has been made WI-FI enabled. All stakeholders including students, faculties, Officers and Non-teaching staff are now using the WI-FI facility from anywhere in the campus including all students hostels. The state-of-the-art secured WI-FI infrastructure has been developed using the International brand premium product lines.

#### **3. Smart class room based teaching-learning environment**

To improve the quality of teaching and learning process, use of ICT enabled teaching learning environment is necessary. The Institute has developed smart ICT enabled classroom with Internet connectivity, Projectors and sound system. Studio rooms with recording video lectures, archiving facilities with most sophisticated ICT tools. Teachers are now regularly used the ICT Facilities.



### **4. Mobile App**

Institute of aeronautical Engineering to develop and deploy student friendly mobile apps for use by the student for instant transfer of message/notice and easy access to many other information, lodging complain / grievances etc. Students may download the mobile Apps from the Play store and install it to access to all types of students information relevant to the course of study.

### **5. Laboratory Infrastructure and Research Facilities**

Laboratories in various academic department and individual faculty members have been provided with sufficient computing facilities to facilitate their regular teaching learning process and students laboratory work.

Each faculty members and Research scholar have been provided with the best possible ICT infrastructure and equipment for their research with individual setup of Desktop, Laptop, Internet/ LAN facilities, WI-FI facilities, OFF-Campus access to e-Journals, printing etc.

### **6. Campus LAN and Internet Infrastructure**

The Institute has campus wide LAN infrastructures (Switching Devices) with high speed state of the art switching devices CISCO to improve the availability, stability, speed and overall performance of the LAN and internet facilities. Presently, all the services are being provided with the new upgraded setup. All the departmental users have been given direct connectivity for high speed. The whole setup is kept on 24 hours including holidays.

The Institute has a 1 GBPS internet connectivity terminated at computer centre under NME-ICT & NKN project. For security and safety of the campus wide LAN setup the gateway lab is equipped with high end Router (MX80-Juniper), fortigate firewall, etc.

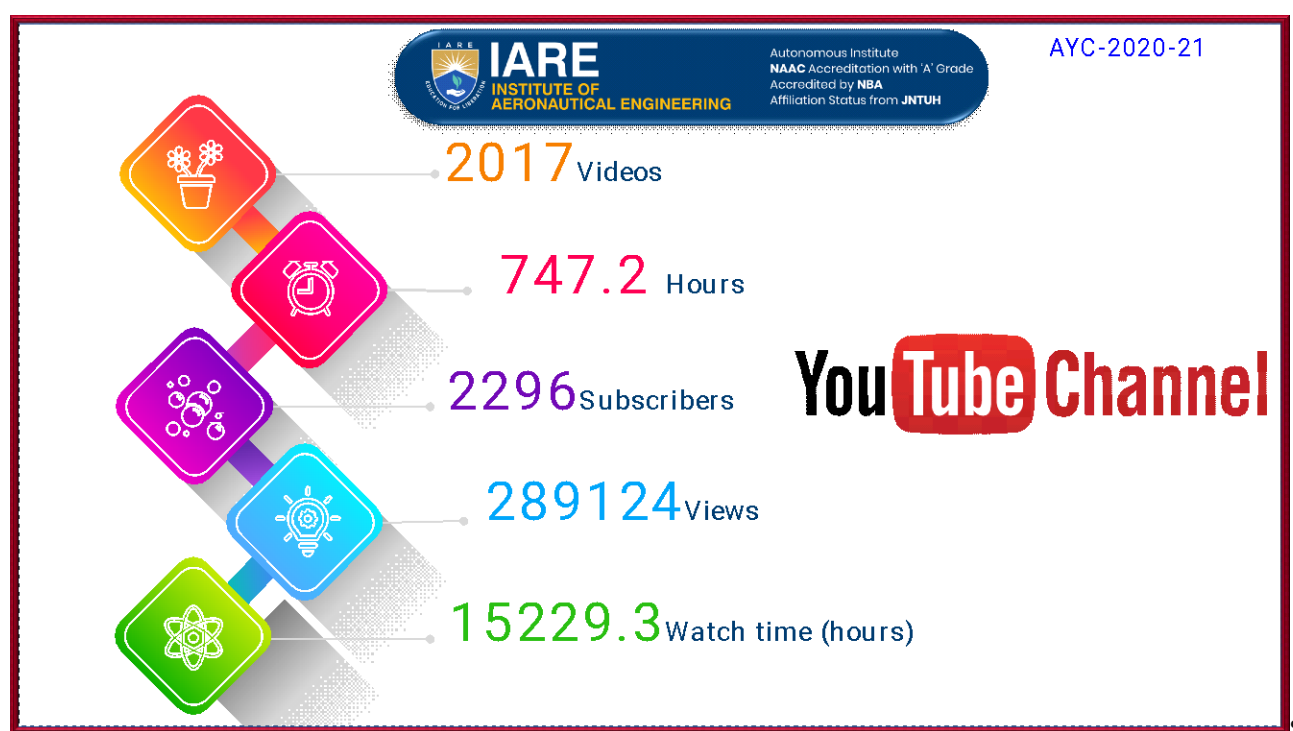
To protect the campus from external threat, viruses, spam Quick heal (anti-virus) has been introduced in server based system and to control the client computer throughout the campus in centralized control system.

IP based EPABX System (CISCO) have been implemented for both voice and Video conferencing (Multiparty) in the University Campus.

## Central Facilities

### ICT Facilities

| S No | Particulars                           | Count |
|------|---------------------------------------|-------|
| 1    | Class Rooms with LCD facilities       | 63    |
| 2    | Class Rooms with wi-fi/LAN facilities | 63    |
| 3    | Flipped Class Rooms                   | 03    |
| 4    | Seminar halls with ICT facilities     | 03    |
| 5    | Studio Rooms                          | 02    |
| 6    | Conference Rooms with ICT facilities  | 09    |
| 7    | Laboratories with ICT facilities      | 16    |





## **STUDENT SUPPORT**

### **Grievance Redressal**

Grievance Redressal Committee at IARE has been constituted as per the AICTE notification F. No. AICTE/PG/2012/20/SRO/06/1143, dated 25-07-2012, with the objective of resolving the grievances of students, parents and others. Students and parents can record their complaints and solve their problems related to academics, resources and personal grievances. Suggestion / complaint Boxes have been installed at different places in the campus, in which the students who want to remain anonymous, can put in writing their grievances and their suggestions for improving the academic/administration in the institute. Students and parents can lodge a complaint. Students can also lodge ragging complaints. The person concerned can personally approach or write / e-mail to any member of the cell. They can send email on [grievances.student@iare.ac.in](mailto:grievances.student@iare.ac.in), or write an application and submit it to cell convener.

The committee comprises of following members:

| S No | Name                      | Designation         | Department | Responsibility |
|------|---------------------------|---------------------|------------|----------------|
| 1    | Dr. V Padmanabha Reddy    | Professor           | IT         | Convener       |
| 2    | Dr. K Viswanath Allamraju | Associate Professor | ME         | Member         |
| 3    | Mr. B Raju                | Assistant Professor | Chemistry  | Member         |
| 4    | Mr. S Devaraj             | Assistant Professor | AE         | Member         |
| 5    | Mr. P Ravinder            | Assistant Professor | CSE        | Member         |
| 6    | Ms. B Pravallika          | Assistant Professor | IT         | Member         |
| 7    | Ms. G Ajitha              | Assistant Professor | ECE        | Member         |
| 8    | Mr. K Devender Reddy      | Assistant Professor | EEE        | Member         |
| 9    | Ms. I Shireesha           | Assistant Professor | MBA        | Member         |

### Student Clubs

Academic grades are imperative for job applications and career success, many employers are also looking for well-rounded candidates with demonstrated participation in extra-curricular activities. IARE provide students with both academic and non-academic clubs, to promote personal and professional development.

“Participation in the work of various clubs on campus provides students an opportunity to acquire leadership, planning, and social skills that are important for successful living.”

### **Benefits**

IARE not only provides career opportunities to students but also improves them with personal and social skills, enhancing the overall collegiate experience. Clubs and extra-curricular activities are “extremely important in helping students develop lifelong good working habits which hone their communication skills and foster creative thinking. Students can learn valuable character traits such as pride and productivity and also work as part of a team towards a common goal.

In addition to helping foster practical skills such as time management, leadership, and responsibility, extra-curricular activities allow students to “test the waters” and explore new areas of interest. Additionally, successfully balancing the time commitments involved in participating in clubs with those necessary to maintain good grades helps prepare students for balancing the demands of a career, family and other life obligations.

To promote the extracurricular activities among the students, Institute started clubs division initial with 17 clubs. For each club one faculty member will be act as a faculty coordinator. The students are free to opt clubs based on their interest and choice. Under each club, activities conducted regularly.

| S. No. | Name of the Club   | Faculty co-coordinator | Student Coordinator              |
|--------|--------------------|------------------------|----------------------------------|
| 1      | Arts               | Dr. J Suresh Goud      | Mr. G Vinayak (20951E0039)       |
|        |                    |                        | Mr. Nanda Kishore(18951A05A7)    |
| 2      | PLUGS CREW (Dance) | Ms. P Shruthi          | Ms. N Sahana Shetty (18951A04D7) |
| 3      | Sangeet (Music)    | Mr. K Saibaba          | Ms. K Amuktha (19951A0521)       |
| 4      | Social Service     | Ms. P Shraddha         | Ms. G Sumanth Sree (18951A12A4)  |

## Student Support

|    |                               |                     |                                                       |
|----|-------------------------------|---------------------|-------------------------------------------------------|
| 5  | CITADEL<br>(Literary)         | Dr. Jetty Wilson    | Ms. Akash Meka (19951A0512)                           |
| 6  | Photography &<br>Film         | Mr. A Srikanth      | Mr. V Guru Dhatta (19951A0557)                        |
|    |                               |                     | Mr. N C H Sai Charan<br>(19951A1276)                  |
| 7  | E-DAM                         | Ms. B Padmaja       | Mr. N Abhishek (19951A0504)                           |
| 8  | Women<br>Empowerment          | Ms. K L Revathi     | Mr. Suman Yadav (20951E0034)                          |
|    |                               |                     | Ms. Teddy Srujana (20951A2190)                        |
| 9  | Aero Modelling                | Mr. A Rathan Babu   | Ms. L V S S Lohitasya Varun<br>(18951A21A6)           |
| 10 | Gaming                        | Mr. K Tarun Kumar   | Mr. Morise Anthony<br>(19951A1211)                    |
| 11 | Consortium                    | Dr. G Ramu          | Mr. Tejesh (20951A04M0)                               |
| 12 | Ek Bharath<br>Shreshta Bharat | Dr. Y Mohana Roopa  | Mr. K Sabyatha Goud<br>(18951A1275)                   |
|    |                               |                     | Ms. M Varsha (18951A05L6)                             |
| 13 | TEDx                          | Mr. N Raj Shekar    | Mr. Ch Satya Dev (18951A0185)                         |
| 14 | Bakasura                      | Dr. T Vara Lakshmi  | Ms. Kolli Vaishnavi Reddy<br>(18951A01A4)             |
| 15 | Theatre                       | Ms. K Sai Priyanka  | Ms. Lella Bhramara Mallika<br>Vasundhara (18951A1220) |
| 16 | Fashion                       | Ms. P Shraddha      | J Apporva (18951A2109)                                |
| 17 | Compendium                    | Ms. P B Esther Rani | S Rahul (18951A1269)                                  |

## Outreach Programs & Extension Activities

### OUTREACH PROGRAMS & EXTENTION ACTIVITIES

#### Outreach Programs

Institute of Aeronautical Engineering students and professors also engage in outreach projects within the local community. This includes giving special lectures for primary school children at the rural areas or hosting groups of high school students at our Institution. Finally, Institute of Aeronautical Engineering is also host to many outreach programs throughout the year. We have Outreach Programs and Extension Activities Center (OPEAC) – the tag line of which is “Working with a Smile to bring back a Smile”.

#### **OBJECTIVES:**

- To provide the right environment for physical, intellectual, social and boost the emotional quotient in students with efforts to add values of good citizenship.
- To conduct activities both inside and outside the campus for the benefit of society for a better environment to live.
- To participate in collaboration with other organizations in carrying out social outreach programs.

#### Extension Activities

The activities organized under NCC, NSS, Student clubs

- National Service Scheme (NSS) functioning with the motto “NOT ME BUT YOU” in view of making the youth inspired in service of the people.
- NSS aims “education through community service and community service through education”.

| S.No | Name of the Activity                                                                 | Organizing unit/<br>agency/ collaborating<br>agency                                                        | Name of<br>the Scheme | Date of the<br>Activity    |
|------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------|
| 1    | Tree plantation                                                                      | Institute of Aeronautical<br>Engineering                                                                   | NSS                   | 24-07-2021                 |
| 2    | Heath checkup                                                                        | Institute of Aeronautical<br>Engineering and Malla Reddy<br>Narayana Multispecialty<br>hospital, Hyderabad | NSS                   | 08-02-2021                 |
| 3    | Distribution of Blankets for needy<br>people at Locations across Hyderabad           | Institute of Aeronautical<br>Engineering/ Street Cause                                                     | NSS                   | 28-12-2020, 29-<br>12-2020 |
| 4    | Groceries Distribution Drive at Divya<br>Disha Orphanage Shanti Nagar,<br>Sangareddy | Institute of Aeronautical<br>Engineering/ Street Cause                                                     | NSS                   | 27-08-2020                 |

## Outreach Programs & Extension Activities

|    |                                                                                                                       |                                                     |     |                        |
|----|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|-----|------------------------|
| 5  | Bedding support event                                                                                                 | Institute of Aeronautical Engineering/ Street Cause | NSS | 12-07-2020             |
| 6  | Education and Hygiene Drive                                                                                           | Institute of Aeronautical Engineering/ Street Cause | NSS | 12-07-2020             |
| 7  | Face Shield Distribution Drive                                                                                        | Institute of Aeronautical Engineering/ Street Cause | NSS | 27-08-2020             |
| 8  | Groceries Distribution Drive at Divya Disha Orphanage, Sangareddy                                                     | Institute of Aeronautical Engineering/ Street Cause | NSS | 27-08-2020             |
| 9  | Groceries Distribution at Bass Orphanage, Hyderabad                                                                   | Institute of Aeronautical Engineering/ Street Cause | NSS | 27-08-2020             |
| 10 | Groceries Distribution Drive at Love and Care Orphanage, Hyderabad                                                    | Institute of Aeronautical Engineering/ Street Cause | NSS | 27-08-2020             |
| 11 | Groceries Distribution Drive at Vatsalayam Orphanage, Hyderabad                                                       | Institute of Aeronautical Engineering/ Street Cause | NSS | 27-08-2020             |
| 12 | Groceries Distribution at Peers Orphanage, Hyderabad                                                                  | Institute of Aeronautical Engineering/ Street Cause | NSS | 12-07-2020             |
| 13 | Groceries Distribution Drive at government primary school dhoodhbowli (Asritha Rainbow home)                          | Institute of Aeronautical Engineering/ Street Cause | NSS | 27-08-2020             |
| 14 | Housing Repairs Event at Shivarampally, Nature Cure Hospital. (Vejbai Nivas Boys Home.)                               | Institute of Aeronautical Engineering/ Street Cause | NSS | 12-07-2020             |
| 15 | Kitchen ware Providence at Future Foundations Orphanage, Hyderabad                                                    | Institute of Aeronautical Engineering/ Street Cause | NSS | 25-08-2020             |
| 16 | Mask Distribution Drive at Amma Foundation and Localities in KPHB, Dilsukhnagar, Balapur and Jubilee hills, Hyderabad | Institute of Aeronautical Engineering/ Street Cause | NSS | 24-06-2020             |
| 17 | Orphanage Assistance, GSF sadhana kuteer, Vinobha Nagar, Ibrahimpatnam, Telangana                                     | Institute of Aeronautical Engineering/ Street Cause | NSS | 13-12-2020             |
| 18 | Orphanage Assistance at Boudhanagar Colony, Secunderabad, Telangana                                                   | Institute of Aeronautical Engineering/ Street Cause | NSS | 29-10-2020             |
| 19 | Water Facilities Upgrade at Maruti Orphanage Home Veditri township, Mayapur Hyderabad.                                | Institute of Aeronautical Engineering/ Street Cause | NSS | 12-07-2020             |
| 20 | Medicine donation drive                                                                                               | Institute of Aeronautical Engineering/ Street Cause | NSS | 07-09-2021, 30-01-2021 |
| 21 | Facilities upgrade at Jnaya Saraswati foundation at vinoba Nagar, Ibrahim patnam                                      | Institute of Aeronautical Engineering/ Street Cause | NSS | 15-12-2020             |
| 22 | Groceries Distribution Drive at Darul Yathama Orphanage, Hyderabad                                                    | Institute of Aeronautical Engineering/ Street Cause | NSS | 27-08-2020             |

## Alumni Association

**Institute of Aeronautical Engineering** conducts Alumni Meet every year, **2<sup>nd</sup> Saturday of December**. The event witnesses the alumni of IARE meeting at one place, sharing their experiences. The Alumni Meet is organized by the management, principal and staff of Institute of Aeronautical Engineering. More than 200 alumni attend the event every year to share their experiences with the juniors.

Our mission is to keep the latest information about IARE students at a common place, thus creating an active web community of IARE alumnus. Our mission is to keep the latest information about IARE students at a common place, thus creating an active web community of IARE alumnus. The former students of IARE have been placed in various reputed companies and they set a good example for the students who take admission here.

## GALLERY

### ORIENTATION DAY





## Gallery



## Workshop on Prototype Design and Development







### Mentorship Session on Innovation and Entrepreneurship



Domara Pocham Pally, Telangana, India  
Bharadwaj Block, Domara Pocham Pally, Telangana 500043, India  
Lat N 17° 35' 58.7076"  
Long E 78° 25' 3.036"  
20/03/21 11:11 AM