

CARE COLLEGE OF ENGINEERING, TRICHY**12th ANNUAL REPORT 2020-2021**

Distinguished chief guest of the Annual Day, Mrs.Bharathi Baskar, Director of a Multi National Bank, Esteemed members of the Management and Trust of CARE College of Engineering, Respected C.E.O, Principals and members of our Sister Institutions, Principal of College of Engineering, Dean-Student Affairs, Dean-Academics and Dean-R&D of College of Engineering, Heads of Departments, Learned Professors, Faculty and Staff of CARE, Distinguished Guests, Parents, Well-wishers, Award winners, Prize recipients and my dear Students, Good morning to you all on this 12th Annual Day Celebrations.

I, Dr.N.Meikandan, Director of CARE College of Engineering deem it a pleasure to present you the 12th Annual Day report of our Institution for the academic year 2020-2021.

This Annual Day is very special to us because for the first time we are conducting it virtually through online. Naturally ‘this year annual report’ gives more credit to online education.

The current pandemic situation has triggered many new methods and ways of realizing the Engineering Education and found a promising solution, predominantly through online mode. Indeed it demanded a significant change in our way of ‘education method’ itself. CARE has been able to absorb and adapt to the changes, very fast and very effectively, due to the dynamic nature of the Institution. We equipped our Faculty and Students with the new trend by adopting the latest technology for execution of all educational processes.

At present, most of the Teaching Learning activities in our College are carried out through Google Classrooms. Interestingly, we noticed that learning has become much easier & safer for students through online education and we observed benefits like

Learning at own Pace

Effective sharing of learning material

Sustained Teacher – Student interactions

Improved evaluation of learning

Complete performance reporting for students.

Easy access to Industry Expertise and so on...

Courses Offered @ CARE

At present, CARE College of Engineering offers 5 B.E courses in Undergraduate Programme, 2 M.E and an M.B.A course in Postgraduate programme.

<i>S No</i>	<i>Course</i>
1.	<i>B.E-Civil Engineering</i>
2.	<i>B.E-Computer Science Engineering</i>
3.	<i>B.E-Electronics and Communication Engineering</i>
4.	<i>B.E-Mechanical Engineering</i>
5.	<i>B.Tech- Artificial Intelligence & Data Science</i>
6.	<i>P.G-Construction Engineering Management</i>
7.	<i>P.G-Engineering Design</i>
8.	<i>P.G-Master of Business Administration</i>

In the Academic year 2020-21, CARE obtained AICTE approval for a new PG –M.E course in CSE (Artificial Intelligence & Machine Learning). We propose to offer this course to students from the AY2021-22, as soon as the new course is inducted in the Anna University curriculum.

STAFF DETAILS

CARE College of Engineering currently has 66-Teaching faculties, and 97 support staff members in its roll.

(15-Technical staff, 20-Admin staff, 07-Transport staff, 11-Kitchen staff, 5-Horticulture staff, 21-Housekeeping staff, 16-Security staff and 2-Gardeners)

INFRASTRUCTURE

CARE has an unparalleled academic infrastructure on both aesthetic and functional aspects. Every year additional facilities are created and in the current academic year,

- For Administrative convenience the Mechatronics lab, Metrology Lab and Dynamics Lab have been relocated in Mechanical wing of Phase-3.
- Further, we have provided some of the available extra space of ours to CARE College of Arts & Science and new facilities have been created.

LIBRARY

In the current academic year 415 volumes have been added in the library resulting to a total volume of 19,415 books under 6743 titles covering all disciplines of Engineering, Sciences, and Management. Further, in the current academic year 2500 e-books have been added in the library resulting to a total volume of 7500+ e-books in our stock.

We have currently subscribed to 48 hard copy Journals, 5000+ online Journals and 6 hard copy Magazines. Our reference section holds 926 reference volumes, 1358 CDs / DVDs, 1134 Project reports and 1366 Journal back volumes as on today.

In the current year, Our College has been registered as a 'Club member of National Digital Library' through which we can access to National resources such as e-reports, e-books, e-journals, Audio/ video lectures, Rare books, Research thesis, manuscript, Question paper, Technical Support, Reports etc.

ADMISSION

In the current academic year, apart from Lateral Entry and Transfer mode, CARE College of Engineering has admitted 105 students in first year UG and has admitted 36 students in first year PG and 32 students admitted through lateral.

The total student strength as on today is 270.

UNIVERSITY RESULTS

This year due to Covid-19, for the past 2 semesters, Anna University exams have been conducted through On-line mode.

Our College average Pass Percentage in past 2 semesters is 77.5 %.

100% results have been produce in 53 theory subjects

To make the event livelier, I am presenting further report of activities of our Students & Faculty and their achievements in video mode.

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After the video presentation, Conclusion by the Director
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CONCLUSION

Before I conclude, let me summarize the happenings of this academic year:

- The Institute continues to be more dynamic with respect to offering chosen courses
- Invests & adopts new technology and related skill development for better learning and due to the new normal.
- Continues investing in building new capacity with additional capability for efficient execution in spite of the pandemic situation.
- Put sustained efforts in accelerating R&D activities and obtaining Grants.
- Continues organizing socially responsible programs.
- Put lot of effort in establishing industry connect and international connects.
- Continues breaking, its own previous achievements, in placements.
- Provides meaningful Engineers to the society.

Let me conclude my report by assuring you that with infinite blessings of God, the dynamic and vibrant CARE, having set the tone for future so far, amidst its turbulent past times, will now peacefully and surely, **March Towards Excellence and Significance.**

Thank you all.

Content of Video presentation

In Video: (All Slides With Voice Over and Respective Photos)

Slide 1 : EVENTS ORGANIZED

In addition to academic activities, CARE believes in Career sculpture and personality development of students by way of organizing various events like National level Symposia, Guest lectures, Workshops, Seminars, Short term courses, Professional and Career development courses etc.

In 2020-2021, following events have been successfully organized:

- 43 Guest lecturers
- 5 National level technical Symposia
- 36 Seminars
- 14 Short term Value Added Courses

Slide 2 :INDUSTRIAL VISITS AND IN-PLANT TRAINING

Industrial visits and in-plant trainings provide opportunities to students to get exposure and experience from actual industrial working environment thereby enabling them to interpret and understand the class room concepts better. In the current academic year,

- Our students made department wise **industrial visits** to 6 Industries
- Students underwent short term **in-plant training** in 23 industries

Slide 3, 4 :EVENTS ATTENDED BY STUDENTS AND STAFF

Attending external programs help students and staff to acquire wide external exposure in their areas of interest and to benchmark themselves by sharing knowledge with experts and their peers.

In the academic year 2020-21,

- in other colleges and 10 Technical training/events like Workshops, Seminars & Short term Courses.
- **112 of our students from various department do online courses** through NPTEL, UDEMY, Coursera, LEAPS, PANTECH, Indian servers, Periyarmaniyammai Inst of Tech, Great Learning Academy, IRIS SOLUTIONS WITH CARE, GOOGLE analytics academy, SKILLZCAFE, EDUREKA, CISCO, etc.
- Vishwakarma Awards 2021 – Finalist (Photo)
- Our faculty attended 49 online mode seminar programmes in other colleges.

- 4 of our faculty participated/presented papers in 5 online mode conferences
- 14 of our faculty attended 35 other college workshop (online mode)
- 41 of our faculty attended 77 FDP in other college (online mode)
- 2 of our faculty also delivered 6 guest lecturers in other institutions.(online mode)
- In the current academic year about 31 **Distinguished guests** visited our campus for various programmes.
- 18 of our staff do online course through NPTEL, COURSERA and ELSEVIER.

Slide 5 :PLACEMENTS

In the current academic year 96.83% the final year students opted for jobs while remaining students opted prefer go to higher studies. Thanks to the earnest efforts put in by CARE Placement Cell, 100 % of opted students have been placed in the current Academic year in various companies through placement drives with pay band 1.2LPA to 6LPA. Many students got 2 offers

Slide 6 :RESEARCH PUBLICATIONS

CARE always encourages faculty to do research in their field of specialization and also encourage staff to do collaboration with students as it serves a strong motivation factor for students to have exposure and confidence among them.

In the Academic year 2020-2021,

5 such works have been published in International Journals.

6 such works have been presented in International Conferences.

Slide 7 :RESEARCH GRANTS/TEST &CONSULTANCY PROJECTS

Consultancy Work :Testing & Analysis using SEM & XRD by Mr.J.Muthukumar

Funding Applied:

Mr.J.Muthukumar :

- DST NIMAT sponsorship for conducting FDP on the topic 'TECHNOLOGY BASED ENTREPRENEURSHIP DEVELOPMENT PROGRAM (TEDP).

Dr.J.Jeyarni :

- DST NIMAT sponsorship for conducting FDP on the topic 'Women Entrepreneurship Development Programme (WEDP).
- CSIR Funding for FDP on "Future trends in non invasive methods of sensing" Feb 2021.

- CSIR Funding for FDP on "Applications of machine learning in 5g/6g communications" Feb 2021.

Slide 8 :Student project funded proposals have submitted under the TAMILNADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY Student Project Scheme -2020-2021.

- Civil - 2no's
- ECE - 4 no's
- CSE - 2 no's
- Mechanical - 4 no's

Slide 9 :CLUB ACTIVITIES

Club activities are imperative for cultural awareness, high ethical and moral values and to seed a sense of social responsibility. For those with an intense fervour and zeal for the stage, clubs provide an opportunity to showcase their skills and voice their emotions and innermost thoughts. CARE has at present following 6 such clubs:

- Dramatics Club
- Music Club
- Literary Club
- Tamil Literary Club
- Eco Care Club
- Photographic Club

In this year Club activities take care of through online mode only, each club organized a one week online cultural events, mind-blowing activities in the month of July and December 2021.

Thai Pongal – A Harvest Festival

Thai Pongal was celebrated by CARE Family on 13th January 2021, through online mode.

Slide 10 :NSS Activities

CARE NSS Unit renders active participation with its motto '**NOT ME BUT YOU**' & Theme '**HEALTHY YOUTH FOR HEALTH INDIA**'.

- Organized various awareness programs to its volunteers on covid-19 do's and don'ts, creating awareness among family members and public.
- Creating awareness among the public on single use plastic and Tree sapling plantation through online in the month of August, October 2020 and February, March, 2021.

Slide 11 :SPORTS

Sports create energetic and vibrant ambience and promote health and team spirit. Our students have brought laurels to the institute by their performance in sports activities in 2020-21. Notable achievements of our students in this year are:

- Our college Women Badminton team secured Second Place in Zonal level Badminton tournament held at UCE BIT-Campus, Trichy on 13.03.2021.
- Our college Student Ms.R.Vaishali of II year Mechanical Secured 1st place Throw Ball under age group of 19 in National Level Sport Meet 20-21 held at Uttar Pradesh on 21st to 23rd Feb, 2021.
- Our College Badminton team Secured 3rd place in 30th National Throw Ball Championship 2021 held at Chattisgarh on 19 to 21st March, 2021.

Slide 12 : SIGNIFICANT EVENT /ACHIEVEMENTS

The following Significant Achievements of the college current Academic year

1. IEEE Institutional Membership
2. 100% Students Placed
3. New course added (ME – AI&ML)
4. Distinguished guest through key note addresses
5. 112 of our students successfully completed certification courses from various online platforms.
6. Vibrancy through various program (Project Expo, SIH 2020, AICTE Vishwakarma Awards 2021, Club activities, Sports, online webinar, Expert talk).
7. Funded proposal have be submitted to Various Govt Funding Agencies.
8. Current academic year 4 MoU Signed with reputed Industries.

Some of the Significant Achievements of department activities are given.

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