

## Institutional Distinctiveness

The institution is making its fullest effort for enhancing the learning experiences of the students through various student centric methods such as experimental learning, participative learning and problem solving learning.

Institute has started innovation and incubation centre to provide opportunity for student to showcase their talent and implement innovative project ideas. The motive behind this is to impart the experimental learning and to allow student to become more independent and take responsibility towards the self-learning.

Institution has a practice of conducting 24 hours workshop every semester. Every year all the department are organizing a minimum of three 24 hours workshop for imparting the practical knowledge of the students in the engineering domains.

58 students had undergone in- plant training in 9 different industries and companies and gained knowledge in a practical way and more importantly they improved their technical skills. To get additional exposure to the systematic learning process, Our College organizes regular industrial visits to our students.

In March 2020, our nation has entered into pandemic situation. During that period also institution makes an effort to continue the learning skill of the students through organizing online webinar series. Under this plan more than 100 lectures/seminars were organized by various industry and academic experts.

### Certificate Courses introduced during the academic year

| Certificate                   | Diploma Courses | Dates of Introduction   | Duration |
|-------------------------------|-----------------|-------------------------|----------|
| Revit Architecture            | -               | 19.10.2019 - 23.10.2019 | 30 Hours |
| Autocad 2D and 3D Modelling   | -               | 06.04.2020 - 10.04.2020 | 30 Hours |
| Responsive Web Design         | Nil             | 10.12.2019 - 31.12.2019 | 36 Hours |
| Internet Of Things            | Nil             | 20.01.2020 - 03.02.2020 | 36 Hours |
| Advanced Java                 | Nil             | 23.01.2020 - 02.03.2020 | 45 Hours |
| ARDUINO                       |                 | 09.10.2019, 10.10.2019  | 30 Hours |
| Design Of Electronic Circuits |                 | 04.02.2020 - 06.02.2020 | 30 Hours |
| Matlab                        | —               | 09.08.2019 - 16.09.2019 | 30 Hours |
| Matlab                        | —               | 02.03.2020 - 06.03.2020 | 30 Hours |
| Arduino And Its Applications  | —               | 06.04.2020 - 10.04.2020 | 30 Hours |
| Autocad                       | -               | 05.08.2019              | 30 Hours |
| NX CAD                        | -               | 03.02.2020              | 30 Hours |



## Field Projects / Internships Under Taken During The Year

| Project/Programme Title  | Programme Specialization | No. Of Students Enrolled For Field Projects / Internships |
|--|--------------------------|---|
| <b>INTERNSHIP</b>  |                          |   |
| Idhal Infrastructure, Devakottai                                   | B.E - Civil              | 19  |
| Cloud Computing  | B.E - CSE                | 2   |
| Cyber Security Analyst   | B.E - CSE                | 1   |
| Digital Marketing  | B.E - CSE                | 7   |
| Flutter Application Design   | B.E - CSE                | 7   |
| Fundamentals Of Telecom  | B.E - CSE                | 1   |
| Internet Of Things   | B.E - CSE                | 1   |
| Python Programming   | B.E - CSE                | 5   |
| VB Dot Net   | B.E - CSE                | 6   |
| Web Designing  | B.E - CSE                | 7   |
| Search Engine Optimization   | B.E - CSE                | 13  |
| Web Application Development  | B.E - CSE                | 6   |
| Embedded System  | B.E - ECE                | 3   |
| Web Designing  | B.E - ECE                | 10  |
| RnD, Trichy  | B.E - MECH               | 7   |
| Siemens Centre Of Excellence In Manufacturing, Trichy              | B.E - MECH               | 16  |
| HERO, Devakottai   | B.E - MECH               | 4   |
| Goodwin Motors, Chennai  | B.E - MECH               | 1   |
| <b>Inplant Training</b>  |                          |   |
| Building Construction, KS Constructions, Pudukkottai.              | B.E - Civil              | 6   |
| Ak builders, karaikudi & Idhal infrastructure, Devakkottai         | B.E - Civil              | 69  |
| Web Designing  | B.E - CSE                | 1   |
| Web Development  | B.E - CSE                | 10  |
| Telecom Technologies   | B.E - CSE                | 1   |
| Telecom Network  | B.E - CSE                | 2   |
| Internet Of Things   | B.E - CSE                | 1   |
| Interactive User Interface Design                                  | B.E - CSE                | 15  |
| Fundamentals Of Web Design   | B.E - CSE                | 22  |
| Fundamentals Of Telecom  | B.E - CSE                | 1   |
| Cyber Security   | B.E - CSE                | 5   |
| Press work techniques, Madras Radiators & Pressing Ltd, Coimbatore | B.E. - Mech              | 4   |



| Project/Programme Title  | Programme Specialization | No. Of Students Enrolled For Field Projects / Internships |
|--|--------------------------|---|
| Fundamentals of laser cutting, Sree Engineering, Coimbatore                                    | B.E. - Mech              | 4   |
| Fundamentals of laser cutting, Sri Ganesh Engineering, Coimbatore                              | B.E. - Mech              | 4   |
| <b>Field Projects</b>  |                          |   |
| Autonomous Robot for Garbage collection, Einel Technologies, Chennai                           | B.E - EEE                | 4   |
| Design on Digital Control Bidirectional Full Bridge DC/DC Converter, V3 Technologies, Tanjavur | B.E - EEE                | 3   |
| Multiple Fault Detection and indication through GSM, V3 Technologies, Tanjavur                 | B.E - EEE                | 3   |

### Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

| Title of workshop/seminar  | Name of the Department | Date       |
|--|------------------------|------------|
| Seminar on Intellectual Property Rights(IPR & Patents)                 | All Department         | 03.06.2020 |
| Alumni Interaction - Construction Ethics                               | CIVIL                  | 28.05.2020 |
| Alumni Interaction - Construction of Windmill Turbine Foundation       | CIVIL                  | 18.05.2020 |
| Alumni Interaction -Development of Steel Structures.                   | CIVIL                  | 26.05.2020 |
| Construction Methods (Form work)                                       | CIVIL                  | 15.05.2020 |
| Irrigation Structures and it's Design                                  | CIVIL                  | 27.05.2020 |
| Job Opportunities in Geo Technical Engineering. (Career Guidance Cell) | CIVIL                  | 22.05.2020 |
| Policies and Practices in Construction                                 | CIVIL                  | 21.05.2020 |
| Recent Trends in Geomechanics  | CIVIL                  | 28.05.2020 |
| Role of Formworks in Construction                                      | CIVIL                  | 22.05.2020 |
| Scenarios of Renewable energy in India                                 | CIVIL                  | 13.05.2020 |
| Structural Detailing and Construction Industry Overview                | CIVIL                  | 07.05.2020 |
| Wind and cyclone effects of structures                                 | CIVIL                  | 19.05.2020 |
| Devops   | CSE                    | 22.05.2020 |
| IT Products and Present Technologies                                   | CSE                    | 20.05.2020 |
| Openshift  | CSE                    | 27.05.2020 |
| Agile Methodologies  | CSE                    | 27.05.2020 |



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|---|-----|------------|
| Analytics in Digital Banking,                                   | CSE | 18.05.2020 |
| C#.Net  | CSE | 21.05.2020 |
| Corporate Hierarchy amongst Software Engineers                  | CSE | 20.05.2020 |
| Database in Big Data  | CSE | 08.05.2020 |
| Deep Dive into Javascript                                       | CSE | 29.05.2020 |
| Digital Marketing   | CSE | 28.05.2020 |
| Ionic Framework   | CSE | 28.05.2020 |
| Javascript and Node Js  | CSE | 20.05.2020 |
| Microsoft Business Intelligence                                 | CSE | 15.05.2020 |
| Product Development   | CSE | 27.05.2020 |
| Spring Framework  | CSE | 19.05.2020 |
| Steps to succeed in placement                                   | CSE | 26.05.2020 |
| Alumni Interaction: A Bird eye view on Automotive               | ECE | 08.05.2020 |
| Awareness programme on IEEE membership                          | ECE | 19.07.2019 |
| Behaviour and stress management Strategies                      | ECE | 18.06.2019 |
| Broadcasting at Suryan FM 93.5                                  | ECE | 26.05.2020 |
| Career Opportunities in DRDO                                    | ECE | 07.05.2020 |
| Career Opportunities in IT                                      | ECE | 06.05.2020 |
| Concepts of Deep Learning with its Use Cases                    | ECE | 29.05.2020 |
| Energy Efficient Data Communication in IoT                      | ECE | 05.05.2020 |
| Exploring of IOT through Use Cases                              | ECE | 12.05.2020 |
| Importance of GATE  | ECE | 21.05.2020 |
| Industrial Automation using embedded systems                    | ECE | 03.10.2019 |
| Machine Learning Algorithms                                     | ECE | 19.05.2020 |
| MEMS  | ECE | 13.05.2020 |
| Overview of Flexible and Stretchable Electronics                | ECE | 28.05.2020 |
| PCB Design and Development                                      | ECE | 16.08.2019 |
| Recent Advancements in Free Space Optical Communication         | ECE | 22.05.2020 |
| Recent Trends in Engineering and Technology                     | ECE | 15.07.2019 |
| Recent Trends in IIoT and AI                                    | ECE | 27.05.2020 |
| Research Methodology  | ECE | 14.05.2020 |
| Satellite Technology and it's Applications                      | ECE | 31.05.2020 |
| Successful Research Publication _ Ethics, Challenges and Issues | ECE | 15.05.2020 |
| Technology impact on Banking and Finance Sector                 | ECE | 18.05.2020 |
| Technology Integration for Smart Environment                    | ECE | 20.05.2020 |
| Wearable Health Monitoring System                               | ECE | 25.05.2020 |
| Webinar on Research Methodology                                 | ECE | 14.05.2020 |
| A Guest Lecture on Lab view & Testing                           | EEE | 11.05.2020 |
| A Guest Lecture on Education and Employment                     | EEE | 08.05.2020 |
| Automation And Railway Traction Systems                         | EEE | 19.05.2020 |
| Current Trends in Industrial Automation                         | EEE | 22.05.2020 |
| Electric & Autonomous Vehicles                                  | EEE | 22.05.2020 |
| Entrepreneurship Development - Challenges & Opportunities       | EEE | 18.05.2020 |
| Freelance Business ideas for Creative people                    | EEE | 27.05.2020 |



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|---|------------|------------|
| Functions & Benefits Of Ac Variable Frequency Drive                         | EEE        | 20.05.2020 |
| How to attend an Interview  | EEE        | 29.05.2020 |
| HV Transmission Systems - Industry Practices                                | EEE        | 27.05.2020 |
| Integration of Solar Energy   | EEE        | 21.05.2020 |
| IOT on Covid'19   | EEE        | 29.05.2020 |
| IOT-2.0   | EEE        | 20.05.2020 |
| Opportunities for Electrical Engineering                                    | EEE        | 28.05.2020 |
| Post Covid Employment Opportunities And Challenges                          | EEE        | 19.05.2020 |
| Professional Etiquette  | EEE        | 26.05.2020 |
| Revolution in Electronics Industries  | EEE        | 25.05.2020 |
| Safety Control System for Process Automation                                | EEE        | 27.05.2020 |
| Alumni Mentorship   | MECHANICAL | 04.05.2020 |
| Alumni Mentorship   | MECHANICAL | 06.05.2020 |
| Alumni Mentorship   | MECHANICAL | 08.05.2020 |
| Design opportunities in Gulf country for Mechanical Engineer                | MECHANICAL | 26.05.2020 |
| HVAC Engineering  | MECHANICAL | 28.05.2020 |
| Industry Experts' talk  | MECHANICAL | 05.05.2020 |
| Industry Experts' talk  | MECHANICAL | 06.05.2020 |
| Industry Experts' talk  | MECHANICAL | 07.05.2020 |
| Industry Experts' talk  | MECHANICAL | 08.05.2020 |
| Industry Experts' talk  | MECHANICAL | 13.05.2020 |
| Industry Experts' talk  | MECHANICAL | 14.05.2020 |
| Industry Experts' talk  | MECHANICAL | 15.05.2020 |
| Innovation to Intellectual Property Rights                                  | MECHANICAL | 26/5/2020  |
| Job opportunities in Chemical industries and Importance of Piping softwares | MECHANICAL | 28.05.2020 |
| Key skills for Manufacturing Engineer                                       | MECHANICAL | 27.05.2020 |
| Modern Robotics and Future development                                      | MECHANICAL | 27.05.2020 |
| Opportunity for Engineers in Civil Services                                 | MECHANICAL | 29.05.2020 |
| Recent Trends in Automobile industry  | MECHANICAL | 26.05.2020 |
| Resilient Opportunities in India - Post COVID 19 Possibilities              | MECHANICAL | 11.05.2020 |