

DR. K.KUMARAGURU

Associate Professor

Department of Petrochemical Technology

UCE- BIT Campus, Anna University

Tiruchirappalli - 620 024

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Professional Experience

S.No	Position	From	To
1	Associate Professor	09.02.2018	Till Date
2	Assistant Professor (Stage 3 – AGP 8000)	09.02.2015	08.02.2018
3	Assistant Professor (Stage 2 – AGP 7000)	09.02.2010	08.02.2015
4	Lecturer/Assistant Professor (Stage 1 – AGP 6000)	09.02.2005	08.02.2010
5	Guest Lecturer (Bharathidasan University)	02.08.2004	08.02.2005

Educational Qualifications:

Qualification	Specialization	Year (From - To)	Institute
Ph.D	Technology	2007 - 2015	Anna University, Chennai
M.Tech	Chemical Process & Design	2002 - 2004	SASTRA University, Thanjavur,

B.Tech	Chemical Technology	1999 - 2002	University of Madras, Chennai
D.Ch.Tech	Chemical Technology	1995 - 1998	Board of Technical Education

Additional Academic Responsibilities

S. No.	Academic Responsibilities	Academic Year	Department / Institution
1	Coordinator, Entrepreneurship Development Cell	2016 - Till Date	UCE, BIT Campus, Anna University Tiruchirappalli
2	Coordinator, EDII AIEDP Hub - Trichy	2018 - 2023	Entrepreneurship Development and Innovation Institute, Govt of Tamil Nadu, Chennai
3	Coordinator, Department of Chemical Technology with Specialization in Pulp and Paper Technology	2004 - 2008	Bharathidasan University / Anna University Tiruchirappalli
4	NSS Programme Officer	08.05.2006 - 30.05.2016	Bharathidasan University / Anna University Tiruchirappalli
5	RRC Programme Officer	2008 - 2012	Bharathidasan University / Anna University Tiruchirappalli Main Campus
6	Deputy Warden	01.10.2008 - 30.06.2009	Vaigai Men's Hostel, Anna University Tiruchirappalli Main Campus

Awards and Recognitions

- **Best NSS Unit Award**
Anna University, Chennai, **2014-2015**
- **Best NSS Programme Officer Award**
Anna University of Technology, Tiruchirappalli, **2009-2010**
- **Gesture Award for Best Blood Donation Organization**
Government of Tamil Nadu, awarded by District Collector, **2011**
(Also received in 2010)
- **Best Paper Award and Cash Prize**
For special oral presentation at Indian Institute of Technology Madras (IITM), **2008**
- Sixth International Conference on Technology Development in Agriculture, Energy, and Environmental Engineering for a Green World, Vivekanantha College of Engineering for Women, Tiruchengode, **2017**

Developmental Work and Contributions to the Department

1. Membership in Committees:

- **Inspection Committee Member at Anna University, Chennai:** Contributed to the assessment and evaluation of institutions seeking affiliation, ensuring adherence to academic standards and quality.
- **DC Member at VIT and Annamalai University:** Engaged with the Developmental Committee (DC) at VIT Deemed to be a University, Vellore, and Annamalai University, Chidambaram, participating in crucial discussions regarding academic programs and initiatives.
- **Member, Board of Studies,** Faculty of Technology, Mahindra Institute of Technology, Namakkal [2024 - 2027]

2. Expert Roles:

- **Expert Member of Question Paper Scrutiny Board at Sethu Institute of Technology:** Provided insights and expertise in reviewing and refining examination papers, ensuring they meet educational standards.
- **Adjudication Member - Ph.D. Viva Examiner at VIT:** Played a significant role in evaluating doctoral candidates, contributing to the academic rigor and integrity of the doctoral program.

3. Standing Committee Participation:

- **Malpractice Inquiry Committees at Anna University:** Actively involved in the Standing Committees addressing allegations of malpractice, emphasizing the importance of ethics in academia.

4. Recruitment Contributions:

- **Member of Recruitment Committees for EDII Trichy Hub and Anna Business Incubation Research Forum:** Participated in the hiring process, bringing in talent and fostering innovation in the entrepreneurial ecosystem in Tamil Nadu.

5. Editorial and Conference Leadership:

- **Guest Editor for the International Journal of Chemical and Pharmaceutical Sciences:** Contributed to the academic community by overseeing the publication process and maintaining high standards in scientific publishing.
- **Chairperson of Various International and National Conferences:** Led discussions and presentations at numerous conferences, fostering collaboration and knowledge exchange among professionals in the field.

6. Academic Responsibilities:

- **Question Paper Setter & External Examiner:** Developed and evaluated assessments in various autonomous institutions and universities, ensuring alignment with educational objectives.
- **Class Coordinator & Exam Cell Coordinator:** Managed class logistics and exam processes, enhancing the overall student experience and operational efficiency.
- **Anti-Ragging Member:** Actively participated in initiatives to create a safe and supportive environment for students.
- **Purchase Committee Member:** Engaged in the procurement process for departmental needs, ensuring resource availability for academic activities.
- **Industrial Visit Incharge & Laboratory Coordinator:** Organized industrial visits and managed the Fluid Mechanics and Technical Analysis Lab, bridging the gap between theoretical knowledge and practical application for students in the Department of Petrochemical Technology.
- **Camp Officer for Central Valuation**
Oversaw the valuation process for the November/December 2023 Semester Examinations (Phase I & II) at the University College of Engineering, BIT Campus, Anna University Tiruchirappalli, ensuring accuracy and adherence to evaluation standards.

PhD Research Guidance

Student Name	Title	Date of Completion
Gomathi E (20116012001)	Removal of textile dyes from synthetic and industrial effluents using electro Fenton and photo electro Fenton process	27.03.2019
Nagarajan L (1514129726)	Studies on carbon dioxide capture using biomass-derived activated carbon, graphene, and MgO-decked multi-layered graphene nanocomposites	29.07.2020
Sankaran A (1514119744)	Studies on dye degradation applications of copper oxide nanocomposite synthesized through a novel two-step synthesis approach	15.09.2021
Ms. K. Kalpana (23221597138)	Biosorption of heavy metals from industrial wastewater	Ongoing

Inventions and Patents

Sl.No	Reference Number	Title	Country	Theme of the Patent
1	202041054166 A	Wastewater Treatment	India	Internet of Things (IoT) based smart water testing drone system for sewage testing process
2	2021100311	Control System	Australia	System and method for fuzzy-based control and measurement of temperature and humidity for greenhouse

Research Grant Received

1. Research Seed Money from TEQIP II: Amount: ₹50,000

- **Purpose:** This grant was awarded to support innovative research initiatives, providing essential funding for preliminary research activities.

2. Research Seed Money for B.Tech Petrochemical Technology Students from TEQIP II:

- Amount: ₹20,000 for each of two batches (Total: ₹40,000)

3. Research Seed Money for B.Tech Petrochemical Technology Students from Centre for Technology Development and Transfer, Anna University, Chennai

- Amount: ₹25,000

4. Final Year project has been selected for Hackthon – 2025, Naan Mudhalvan Grand Innovation and Skill Challenge Niral Thiruvizha 2.0 supported by Tamil Nadu Skill Development Corporation in collaboration with Anna University, EDII TN, i-TNT Hub, Start-up TN, TN Rise

- Amount: ₹1,00,000 for final winner)

Completed B.E/M.E Projects

- M.E/M.Sc Projects Completed: Total Number: 6
- B.E Projects Completed: Total Number: 100+

Membership of Scientific and Professional Societies

Organization	Grade of Membership
Indian Institute of Chemical Engineers (IIChE)	Life Associate Member
International Journal of The Indian Pulp and Paper Technical Association (IPPTA)	Associate Member
Institute of Engineers	Life Associate Member

Publications

Books Published

1. **M. Arulmozhi, K. Kumaraguru**
Emerging Trends in Petrochemical Technology
Publisher: ASSVET International Publishers Co., Chennai, India
ISBN NO: 978-93-5254-503-2, **2016**
2. **M. Arulmozhi, K. Kumaraguru**
Introduction to Renewable Energy
Publisher: ASSVET International Publishers Co., Chennai, India
ISBN: 978-81-932456-8-2, **2018**

Book Chapters

1. **K. Kumaraguru**
Reclamation of Used Lube Oils
In *Emerging Trends in Petrochemical Technology*
Publisher: ASSVET International Publishers Co., Chennai, India
Book Chapter No: 9.1-9.9
ISBN NO: 978-93-5254-503-2
2. **K. Kumaraguru**
Sewage Treatment
In *Emerging Trends in Petrochemical Technology*
Publisher: ASSVET International Publishers Co., Chennai, India
Book Chapter No: 13.1-13.11
ISBN NO: 978-93-5254-503-2
3. **K. Kumaraguru, E. Gomathi**
Advanced Oxidation Process
In *Introduction to Renewable Energy*
Publisher: ASSVET International Publishers Co., Chennai, India
ISBN: 978-81-932456-8-2, **2018**

International Journals

1. K. Kumaraguru, P. Saravanan, R. Rajeshkannan, V. Saravanan
A systematic analysis of hexavalent chromium adsorption and elimination from aqueous environment using brown marine algae (Turbinaria ornata)
Biomass Conversion and Biorefinery, 13: 9, **2023**.

2. L. Nagarajan, K. Kumaraguru, P. Saravanan, R. Rajeshkannan, M. Rajasimman, *Facile synthesis and characterization of microporous-structured activated carbon from agro waste materials and its application for CO₂ capture*, **Environmental Technology**, 1-10, **2022**.
3. Sankaran, S. Amuthameena, S. Vimalraj, C. Vivek, R. Karthic Kumar, B. Balraj, K. Kumaraguru, *Influence of Gd₂O₃ on ZnO Nanomaterials for the Enhancement of Catalytic Behavior*, **Journal of Superconductivity and Novel Magnetism**, 1-11, **2022**.
4. L. Nagarajan, P. Saravanan, K. Kumaraguru, Sang-Woo Joo, Yasser Vasseghian, R. Rajeshkannan, M. Rajasimman, *Synthesis of magnesium nanocomposites decked with multilayer graphene (MG) and its application for the adsorptive removal of pollutants*, **Chemosphere**, 298, 134121, **2022**.
5. L. Nagarajan, Panchamoorthy Saravanan, K. Kumaraguru, A. AnnamRenita, R. Rajeshkannan, M. Rajasimman, *A facile approach in activated carbon synthesis from wild sugarcane for carbon dioxide capture and recovery: isotherm and kinetic studies*, **Biomass Conversion and Biorefinery**, 1-13, **2022**.
6. A. Sankaran, K. Kumaraguru, B. Balraj, *Structural and optical behavior of CuO/Ag and CuO/Ag/Au nanocatalysts synthesized via a novel two-step synthesis approach for enhancement of catalytic activity* **Journal of Inorganic and Organometallic Polymers and Materials**, 31(1), 151-161, **2021**.
7. A. Sankaran, K. Kumaraguru, B. Balraj, *Investigation on catalytic activity of CuO/La₂O₃, CuO/Gd₂O₃, and CuO/La₂O₃/Gd₂O₃ nanocatalysts prepared via novel two-step approach*, **Materials Science and Engineering: B**, 263, 114836, **2021**.
8. S. Rajeswari, P. Saravanan, K. Kumaraguru, N. Jaya, R. Rajeshkannan, M. Rajasimman, *The scientometric evaluation on the research of biodiesel based on HistCite and VOS viewer (1993–2019)* **Biomass Conversion and Biorefinery**, 1-11, **2021**.
9. A. Sankaran, K. Kumaraguru, B. Balraj, A. Sridevi, R. Magesh *Investigation on catalytic activity of CuO/La₂O₃, CuO/Gd₂O₃, and CuO/La₂O₃/Gd₂O₃ nanocatalysts prepared via a novel two-step approach* **Materials Science & Engineering: B**, September **2020**.
10. A. Sankaran, K. Kumaraguru, B. Balraj, *Structural and Optical Behavior of CuO/Ag and CuO/Ag/Au Nanocatalysts Synthesized Via a Novel Two-Step Synthesis Approach for Enhancement of Catalytic Activity*

Journal of Inorganic and Organometallic Polymers and Materials, 1-11, **2020**.

11. A. Sankaran, K. Kumaraguru, *The novel two-step synthesis of CuO/ZnO and CuO/CdO nanocatalysts for enhancement of catalytic activity* **Journal of Molecular Structure**, 128772, **2020**.
12. L. Nagarajan, A. Arulraj, G. Senguttuvan, K. Kumaraguru *Solar assisted reduced graphene oxide as an adsorbent for carbon dioxide and its kinetic studies*, **Physica E: Low-dimensional Systems and Nanostructures**, 116, 113739, **2020**.
13. K. Kumaraguru, A. Sankaran, *POLY (O-Phenylenediamine)/Ti Veneer on 316L stainless steel bipolar plates for proton exchange membrane fuel cells* **Journal of the Balkan Tribological Association**, 25(3), 656–676, **2019**.
14. E. Gomathi, B. Balraj, K. Kumaraguru, *Electrochemical degradation of scarlet red dye from aqueous environment by titanium-based dimensionally stable anodes with SS electrodes*, **Applied Biological Chemistry**, 61, 289–293, **2018**.
15. E. Gomathi, K. Kumaraguru, *Green Synthesis and Photogenerated Charge Carriers Transfer in SnO₂ QDs Decorated rGO Nanosheets for Highly Efficient Visible Light Photocatalysis*, **Journal of Inorganic and Organometallic Polymers and Materials**, 28(4), 1-7, **2018**.
16. N. Junior Sundresh, L. Vasanthakumari, C. Kanagaraju, K. Kumaraguru *A study on patient satisfaction in Karpagam Faculty of Medical Sciences and Research, Coimbatore*, **Elixir International Journal**, 102, 44197-44199, **2017**.
17. K. Kumaraguru, D. Vinoth, R. Sandeep Kumar, S.R. Lal, M. Rengasamy, *Mercury(II) ions removal by adsorption*, **Elixir International Journal**, Special Issue, 102, 44236-44238, **2017**.
18. S. Meena Rani, K. Kumaraguru, N. Junior Sundresh, *A study on customer relationship management with special reference to private hospitals in Tiruchirappalli*, **Elixir International Journal**, Special Issue, 102, 44168-44177, **2017**.
19. K. Kumaraguru, P. Sureshkumar, *Evaluation of biosorption potential of Gracilaria Corticata for the removal of hexavalent chromium from aqueous solutions using response surface methodology* **Journal of Advances in Chemistry**, Vol. 12, No. 24, 5566-5576, December **2016**.

20. L. Manoj Kumar, N. Vedagiriswaran, K. Kumaraguru, *Chemical and Elemental Composition Study of Musa Acuminata x Balbisiana Colla (AB Group) Banana Plant for the Production of Bioethanol* **Journal of Chemical and Pharmaceutical Sciences**, Volume 9, Issue 1, **2016**.
21. Rengasamy, E., Titus Praveen Kumar, D., Venkatesh, K. Kumaraguru *Hydrodynamic cavitation for the production of biodiesel from sunflower oil using NaOH catalys*, **Journal of Chemical and Pharmaceutical Sciences**, no. 4, pp. 104 - 106, **2014**.
22. Surendhar A.D., Sakthivel S., Yasar Arafat, K. Kumaraguru, *Adsorption of chromium using low-cost adsorbents*, **Journal of Chemical and Pharmaceutical Sciences**, no. 4, pp. 205 - 207, **2014**.
23. K. Kumaraguru, P. Sureshkumar, D. Venkatesh, B. Rajkumar *Response surface modeling and optimization of chromium (VI) removal from aqueous solution using marine algae in batch process* **Journal of Chemical and Pharmaceutical Sciences**, no. 4, pp. 188-192, **2014**.
24. K. Kumaraguru, P. Sureshkumar, *Kinetics, Modeling, Thermodynamic Analysis, and Optimization of Biosorption Parameters for Biomass of Sargassum Wighiti using Response Surface Methodology* **International Journal of ChemTech Research**, Vol. 6, No. 5, pp. 3040-3052, **2014**. ISSN: 0974-4290.
25. K. Kumaraguru, M. Rengasamy, E. Titus Praveen Kumar, D. Venkadesh *Factors Affecting Printing Quality of Paper from Bagasse Pulp* **International Journal of ChemTech Research**, Vol. 6, No. 5, **2014**.
26. Lakshmipathi Sakthi R.B., Manoj S.R., K. Kumaraguru *Desilication of Green Liquor by Two Stage Causticizing* **International Journal of The Indian Pulp and Paper Technical Association**, Vol. 21, Nos. 2, pp. 103-105, Apr-June **2009**. ISSN: 0379-5462.
27. S. Rajasankar R., Arunprasath Rajesh K.S., K. Kumaraguru *A Comparative Study of Eucalyptus Hybrid Pulp Properties for Conventional Batch Cooking and Superbatch™ Cooking* **International Journal of The Indian Pulp and Paper Technical Association**, Vol. 21, Nos. 2, pp. 113-116, Apr-June **2009**.

SWAYAM NPTEL ONLINE COURSES ATTENDED

- Completed SWAYAM Online three credit FDP student Assessment course during January 2022 to May 2022

- Completed SWAYAM Online two credit FDP Managing Learning Resources course during 2021
- Completed SWAYAM Online two credit FDP Fundamentals of Outcome based Curriculum in Engineering Education course during 2021

Expert Lecture Delivered

Title	Date/Period	Organized By
Impacts of Oil Spill on Marine Ecology	14.10.2016	Post Graduate Department of Zoology, Jamal Mohammed College, Tiruchirappalli
Fluid Mechanics for Civil Engineers	08.10.2011	Department of Civil Engineering, Chendu College of Engineering & Technology, Maduranthagam, Tamil Nadu
Fundamentals of Fluid Mechanics	16.07.2011	Karpaga Vinayaga College of Engineering & Technology
Overview on Control Systems	20.12.2015	Department of Petrochemical Technology, Bharathidasan Institute of Technology Campus, Anna University, Tiruchirappalli
Advances in Tanneries Wastewater Treatment	25.11.2017	Department of Chemical Engineering, Annamalai University, Annamalainagar, Chidambaram
Application of Reaction Kinetics in Biopharmaceutics	31.08.2018	Karpaga Vinayaga College of Engineering & Technology
Entrepreneurship Awareness	10.02.2020	K Ramakrishnan College of Engineering, Tiruchirappalli

Title	Date/Period	Organized By
Entrepreneurship Awareness	12.02.2020	K Ramakrishnan College of Engineering, Tiruchirappalli
Role of EDII on Startups	16.07.2019	St. Joseph's Institute of Management (JIM)
Startup Funding for Students cum Product Exhibitions	03.02.2020	Kongunadu College of Engineering and Technology

Conferences/Workshops/Seminars Organized:

Faculty Development Programme (FDP) Organized:

Title	Date/Period	Organized By
Two weeks TEQIP II Sponsored Faculty development programme on "Advanced Technologies for Societal Applications" (ATSA'15)	06.06.2016 to 19.06.2016	Department of Petrochemical Technology, UCE,BIT Campus, Anna University, Tiruchirappalli-620
Two weeks TEQIP II Sponsored Faculty development programme on "Nanotechnology Applications in Engineering and Technology" (NAET'15)	06.05.2015 to 19.05.2015	Department of Petrochemical Technology, UCE,BIT Campus, Anna University, Tiruchirappalli-620

One week Centre for Faculty Development Anna University Chennai Sponsored FDP programme on "Fluid Flow Operation' (FFO-2015)	19.12.2016 To 25.12.2016	Department of Petrochemical Technology, UCE,BIT Campus, Anna University, Tiruchirappalli-620
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Training Programme

Title	Date/Period	Organized By
Three weeks EDII Sponsored Training programme on "New Entrepreneurship cum Enterprise Development Scheme (NEEDS)Programme	11.06.2018 to 29.06.2018	EDII, Government of Tamil Nadu & UCE,BIT Campus, Anna University, Tiruchirappalli-620 024
TEQIP II Sponsored seven days students Technical training Course Training programme	04.03.2017 to 10.03.2017	Department of Petrochemical Technology, UCE,BIT Campus, Anna University, Tiruchirappalli-620 024
Two Days DST Sponsored Entrepreneurship Awareness Camp	06.09.2016 - 08.09.2016	Entrepreneurship Development Cell, Bharathidasan Institute of Technology Campus, Anna University, Tiruchirappalli

National and International Conferences Organized:

Title	Date/Period	Organized By
Two Days National Conference on Emerging Trends in Chemical and Petrochemical Technology (NETCPT 2022)	03.06.2022 & 04.06.2022	Department of Petrochemical Technology, UCE,BIT Campus, Anna University, Tiruchirappalli-620 024
Two Days National Conference on Emerging Trends in Chemical and Petrochemical Technology (NETCPT 2019)	20.11.2019 & 21.11.2019	Department of Petrochemical Technology, UCE,BIT Campus, Anna University, Tiruchirappalli-620 024
One Day RAMCO Cements Sponsored National Conference on Emerging Trends in Chemical and Petrochemical Technology (NETCPT 2017)	25.08.2017	Department of Petrochemical Technology, UCE,BIT Campus, Anna University, Tiruchirappalli-620 024
Three Days TEQIP II Sponsored International Conference on "Trends & Innovations in Chemical and Pharmaceutical Technologies (TICPT 2017)"	02.02.2017 - 04.02.2017	Department of Petrochemical Technology, UCE,BIT Campus, Anna University, Tiruchirappalli-620 024
Indian Oil Corporation Limited (IOCL) Sponsored National Level Conference on "Emerging Trends in Chemical and Petrochemical Technology (NETCPT 2016)	10.03.2016 & 11.03.2016	Department of Petrochemical Technology, UCE,BIT Campus, Anna University, Tiruchirappalli-620 024
TEQIP II Sponsored National Conference on Green Engineering and Technologies for Sustainable	05.12.2014 & 06.12.2014	Department of Petrochemical Technology, UCE,BIT

Title	Date/Period	Organized By
Future (NCGET'14)		Campus, Anna University, Tiruchirappalli-620 024

Symposium Organized:

Title	Date/Period	Organized By
National level technical symposium on QUIMIFERIA'24	22.04.2024& 23.04.2024	Department of Petrochemical Technology, UCE,BIT Campus, Anna University, Tiruchirappalli- 620 024
TEQIP- II Sponsored National Level Technical Symposium on "Progressive Researches on Sciences of Petroleum Engineering & Chemical Technology" (PROSPECT'16)	19.02.2016 & 20.02.2016	Department of Petrochemical Technology, UCE,BIT Campus, Anna University, Tiruchirappalli- 620 024

Seminars Organized:

Title	Date/Period	Organized By
Two Days TEQIP II Sponsored National Level Seminar on Advancements in Refining Operations and Management of Alternate Sources "AROMA'16"	05.08.2016 & 06.08.2016	Department of Petrochemical Technology, UCE,BIT Campus, Anna University, Tiruchirappalli- 620 024

Title	Date/Period	Organized By
Two Days TEQIP II Sponsored National Level Seminar on Advancements in Refining Operations and Management of Alternate Sources "AROMA'13"	25.10.2013 to 26.10.2013	Department of Petrochemical Technology, UCE,BIT Campus, Anna University, Tiruchirappalli-620 024

Workshops Organized:

Title	Date/Period	Organized By
Two Days National Level Workshop on Aspen HYSYS	31.03.2023 - 01.04.2023	Department of Petrochemical Technology, UCE,BIT Campus, Anna University, Tiruchirappalli-620 024
Two Days TEQIP II Sponsored National Level Industrial Workshop on "PETROFUSION'17"	09th - 10th January 2017	Department of Petrochemical Technology, UCE,BIT Campus, Anna University, Tiruchirappalli-620 024

INTERNATIONAL CONFERENCES ATTENDED:

- ❖ K.Kumaraguru and S.Rajashankar, "Comparison study of HexA nuronic acid present in Eucalyptus hybrid pulp of conventional and super batch cooking" International Conference on POLYMCON'09 organized by NIT Calicut from 09th Jan 2009 to 11th Jan 2009, POLYMCON'09 - Polymers Changing Frontiers, PP:278-286
- ❖ M.Rengasamy, K.Kumaraguru, M.Parthiban and APS.Akilan, "Response Surface Modeling and Optimization of Mercury Removal from Aqueous Solution using Tamarind Seed Powder in Batch Process", International Conference on Advancements in Polymeric Materials, organized by International Water

Association and Birla Institute of Technology & Science, Goa, India from 24.01.2011 to 27.01.2011.

- ❖ M.Rengasamy, K.Kumaraguru, and M.Vivek Sheraton, "Analysis of Temperature Effect and Additive Impact on Polyurethane based Elastomers", International Conference on Advancements in Polymeric Materials, organized by CIPET, Chennai, India from 25.03.2011 to 27.03.2011.
- ❖ K.Kumaraguru and P.Sureshkumar, "Kinetics, modeling, thermodynamic analysis and optimization of biosorption parameters for biomass of *sargassum wighiti* using response surface methodology" International Conference on biotechnology and human welfare – 2013 organized by SASTRA University Thanjavur from 06.12.2013 to 08.12.2013
- ❖ K.Kumaraguru and P.Sureshkumar, "Response surface methodology approach for optimization of biosorption process for removal of Cr (VI) by brown marine algae and applicability in isotherms and thermodynamics modeling" International Conference on Green Technology for Environmental Pollution Prevention and Control" organized by NITT, Trichy from 27th September, 2014 to 29th, September, 2014
- ❖ K.Kumaraguru and P.Sureshkumar "An Attempt to Develop Seaweed-based Treatment Technology for the remediation of Cr(VI) Heavy Metal in Aqueous Solution Equilibrium and Kinetic Studies" Abstracts presented at the 5th Annual International Convention of Association of Pharmacy Professionals :Redesigning Pharmacy Education and Regulations for Translational Drug Research in India, hosted at Anna University, Centre for Excellence in Nanobio Translational Research, Bharathidasan Institute of Technology Campus, Tiruchirappalli, TamilNadu, India, 22nd–23rd January, 2016
- ❖ S. Meena Rani, K. Kumaraguru, N. Junior Sundresh, "An analytical study of Customer relationship management in Tiruchirappalli private hospital.", International Conference on Total Quality Management - Advanced and Intelligent Applications - 2016, organized by Department of Management Studies, Anna University, (BIT) Campus, Tiruchirappalli, India on 26.10.2016.
- ❖ K.Kumaraguru "adsorption behaviour of functional behavior of functional grafting particles based on pea on *Gracilaria Corticata* for the removal of Cr VI from aqueous solution using RSM" TEQIP II Sponsored International conference on Trends and Innovations in Chemical & Pharmaceutical Technologies(TIPCT 2017)organized by department of Department of Petrochemical, Pharmaceutical Technology and Department of mathematics, BIT Campus, Anna University, Tiruchirappalli, from 02 February 2017 to 04 February 2017.

- ❖ E.Gomathi, P.Leela & K.Kumaraguru, "Synthesis and characterization of Dendrimer – Conjugated Magnetic Nanoparticles for removal of Mercury (II) from Aqueous Solutions", TEQIP II Sponsored International conference on Trends and Innovations in Chemical & Pharmaceutical Technologies(TIPCT 2017) 2 - 4, February 2017., Department of Petrochemical, Pharmaceutical Technology and Department of mathematics, BIT Campus, Anna University, Tiruchirappalli.
- ❖ K.Kumaraguru "Equilibrium and kinetic study on Chromium VI removal from synthetic and industrial wastewater using marine algae as novel biosorbent" Sixth international conference on technology development on agriculture, energy and environmental engineering for green world organized by department of biotechnology, Vivekanantha college of engineering for women Tiruchengode from 21 to 22 February 2017.
- ❖ K.Kumaraguru "Reclamation of used oil by solvent extraction method" Sixth international conference on technology development on agriculture, energy and environmental engineering for green world organized by department of biotechnology, Vivekanantha college of engineering for women Tiruchengode from 21 to 22 February 2017.
- ❖ E.Gomathi, & K. Kumaraguru, "Optimization study of scarlet red degradation by electrofenton process", International Conference on recent trends in science, engineering and management 10 &11 march 2017, Karpaga Vinayaga College of Engineering and Technology, Chennai.
- ❖ K.Kumaraguru "Hexane from light straight run gasoline and diaromatization using NMP as alternate solvent" International conference on Adaptive technologies for sustainable growth organized by Department of biotechnology, Paavai Engineering College, 17&18 march 2017.
- ❖ K.Kumaraguru "Manufacture of Ammonia by Haber Process" International conference on Adaptive technologies for sustainable growth organized by Department of biotechnology, Paavai Engineering College, 17&18 march 2017.
- ❖ K.Kumaraguru "adsorption of carbon dioxine with biomass prepared from sugarcane International conference on civil, mechanical, chemical engineering and technologies organized by SVS COLLEGE of engineering, Coimbatore , 23&24 Feb 2018.

- ❖ K.Kumaraguru "Decolorization of dye by photo electro fenton process" International conference on civil, mechanical, chemical engineering and technologies organized by SVS COLLEGE of engineering, Coimbatore , 23&24 Feb 2018.
- ❖ E.Gomathi, & K. Kumaraguru, Synthesis of Ag- ZnO nanoparticles and its photocatalytic degradation of anthropogenic pollution, International Conference on recent trends in science, engineering and management 22 &23 march 2019, Karpaga Vinayaga College of Engineering and Technology, Chennai.
- ❖ K. Kumaraguru & E.Gomathi, Optimization of biosorption process for removal of Cr (VI) by brown seaweed and applicability in isotherms and thermodynamics modelling, International Conference on recent trends in science, engineering and management 22 &23 march 2019, Karpaga Vinayaga College of Engineering and Technology, Chennai.
- ❖ Mr. L.Nagarajan & K. Kumaraguru, Kinetic modeling and equilibrium studies on CO₂ capture by microporous activated carbon derived biomass, International Conference on recent trends in science, engineering and management 22 &23 march 2019, Karpaga Vinayaga College of Engineering and Technology, Chennai.
- ❖ Mr. L.Nagarajan & K. Kumaraguru, Development of microporous activated carbon by using mixture of saw dust and wild sugarcane for CO₂ capture applications, International Conference on recent trends in science, engineering and management 06.03.2019 to 08.03.2019, Department of Biotechnology, Pavendar Bharathidasan College Of Engineering & Technology, Tiruchirappalli

a. NATIONAL CONFERENCES ATTENDED:

- ❖ K.Kumaraguru & M.Rengasamy "Removal Of Mercury(II) Ions By Adsorption Presented in National conference on "Advances in chemical engineering and biotechnology" Organized by St Joseph's Collage Of Engineering, Chennai 30th January 2008
- ❖ K.Kumaraguru and S.Rajashankar, "Novel Value Added Products from Agro Cellulosic Waste: Banana" Presented in National level Technical Symposium Organized by Kongu Engineering College, Erode on 21st February 2008.

- ❖ K.Kumaraguru and P.Sureshkumar "chemical composition and pulping of banana sheath for the production of bioethanol" Presented in UGC sponsored state level seminar on "recent advances on biofuel technology for the development of rural people" Organized by Kongunadu arts and science College, Coimbatore on 24th and 25th September 2008.
- ❖ K.Kumaraguru and P.Sureshkumar "Chemical Composition and Pulping of Banana Sheath for the Production of Bioethanol" Presented in National Conference on "Biotechnological Approaches to Alternate Energy(BAAE08)" Organized by Department of Biotechnology, Indian Institute of Technology Madras(IITM) on 5th and 6th December 2008.
- ❖ K.Kumaraguru Presented a paper titled "production of bioethanol from banana sheath-Elemental and Chemical Composition of Banana sheath" in the National Conference of Anerobic Digestion and Renewable Energy through Microbes organized by BITS Pilani Goa Campus from 13.01.2009 to 15.01.2009.
- ❖ K.Kumaraguru Presented a paper titled "Innovations in Pressings Operation In paper making to Achieve Higher Productivity at Lower Energy Costs" in the National Conference of Printing Engineers (NCPE'09) held in the department of printing technology Anna University Chennai on 19th and 20th of February 2009.
- ❖ K.Kumaraguru Presented a paper titled "Desilication of green liquor by two stage caustizing" in the National Conference of Printing Engineers (NCPE'09) held in the department of printing technology Anna University Chennai on 19th and 20th of February 2009.
- ❖ K.Kumaraguru M.Arunkumar, J.Karthi, Presented a paper titled "Removal Of Mercury (II) Ions By Adsorption on agricultural waste biomass using Response Surface Methodological approach" in the National Conference on ENERGETIC 2010 organized by at M,V.J Engineering Collage, Banglore on 10&11th feb 2010
- ❖ K.Kumaraguru, M.Viruthagiri., M.Esakkiraj Presented a paper titled "Bioethanol from *Musa Acuminata* X *Balbisiana Colla* (AB Group) banana plant: Chemical and Elemental composition" in the National Conference on ENERGETIC 2010 organized by at M,V.J Engineering Collage, Banglore on 10&11th feb 2010
- ❖ K.Kumaraguru, Presented a paper titled "optimization of chemical pretreatment process conditions using Response Surface Methodology for

ethanol production from banana sheath" organized by CHEMREFERENCE 2010 at Indian Institute of Technology Kanpur(IITK) on 13&14th July 2010.

- ❖ K.Kumaraguru, Presented a paper titled "Removal of Chromium (VI) From Aqueous Solution By Adsorption On Low Cost Adsorbents Using A Response Surface Methodological Approach" by CHEMCON 2010 at Annamalai University from 27.12.2010 to 29.12.2010.
- ❖ K. Kumaraguru, "Sewage Treatment." IndianOil Sponsored National Conference on Emerging Trends In Chemical and Petrochemical Technology, organized by Department of Petrochemical Technology, BIT Campus, Anna University, Tiruchirappalli, Tamilnadu, India on 10&11 March 2016
- ❖ K. Kumaraguru, "Reclamation of Lube Oil" indianOil Sponsored National Conference on Emerging Trends In Chemical and Petrochemical Technology, organized by Department of Petrochemical Technology, BIT Campus, Anna University, Tiruchirappalli, Tamilnadu, India on 10&11 March 2016.
- ❖ S. Meena Rani, K. Kumaraguru, N. Junior Sundresh, "A study on customer relationship management with special reference to private hospital in Tiruchirappalli." TEQIP-II Sponsored National Conference on Green Engineering and Technologies for Sustainable Future - 2016, organized by Department of Petrochemical Technology, BIT Campus, Anna University, Tiruchirappalli, Tamilnadu, India on 16th & 17th September 2016
- ❖ E.Gomathi, & K.Kumaraguru, "Application of chitosan for dye removal from textile wastewater by adsorption", National conference on futuristic trends in biotechnology and computational biology Organized by School of bio sciences and technology, VIT University during 13&14 October 2016.
- ❖ K. Kumaraguru, "Green synthesis and characterization of Iron Nano particle." National Conference on Emerging Trends In Chemical and Petrochemical Technology, organized by Department of Petrochemical Technology, BIT Campus, Anna University, Tiruchirappalli, Tamilnadu, India on 20.09.2019
- ❖ K. Kumaraguru, GCE - 128 Development of Micro porous activated carbon from saw dust and wild sugar cane bagasse for CO₂ capture application CSIR Sponsored National conference on Green chemistry and engineering : Towards future technology organized by the Department of Chemical Engineering, Annamalai University, Chidambaram

➤ **LIST OF SEMINAR / SHORT TERM COURSE /FDP/ WORKSHOP ATTENDED:**

FDP ATTENDED:

- ❖ Attended One week Faculty development on " Recent progress in Process Modelling, Simulation and Process Control at from 06.01.2025 to 11.01.2025 at National Institute of Technology Tiruchirappalli.
- ❖ Attended One week Faculty development on " Naan Mudahalvan – Digital Skills " from 16.09.2024 to 21.09.2024 by Online
- ❖ Attended One week Faculty development on " Naan Mudahalvan – Employability Skills " from 11.03.2024 to 16.03.2024 at Government college of Engineering, Srirangam
- ❖ Attended Two weeks Faculty development Programme on Innovation and entrepreneurship from 02.01.2024 to 13.01.2024 at Anna University Chennai.
- ❖ Attended One week Faculty development programme organized AICTE Training and Learning (ATAL) Academy Online FDP on " EDP on fostering Start-up, Innovation and Entrepreneurship/Intrapreneurship " from 06/12/2021 to 10/12/2021 at Andhra University
- ❖ Attended Two weeks Industrial Training Programme on Plastic processing and testing organized at Central Institute of Petrochemical and Technology(CIPET : CSTS) Madurai from 10.06.2021 to 22.06.2021
- ❖ Attended Two weeks Faculty development Programme on Entrepreneurship sponsored by Ministry of Science and Technology, NSTEDB, Government of India, New Delhi in association with Entrepreneurship Development institute of India (EDII), Ahmadabad from 15.03.2021 to 27.03.2021 at Anna University Regional campus Madurai
- ❖ Attended One week Faculty development programme organized AICTE Training and Learning (ATAL) Academy Online FDP on "Novel Materials" from 2021-2-8 to 2021-2-12 at National Institute of Technology Patna.
- ❖ Attended One week Faculty development programme organized AICTE Training And Learning (ATAL) Academy Online FDP on "Environmental

Geotechnology" from 2021-1-4 to 2021-1-8 at National Institute of Technology Karnataka Surathkal.

- ❖ Attended Three days Faculty development programme on Perspective and challenges in outcome based research organized by department of chemical engineering, National institute of Technology Tiruchirappalli from 13.07.2020 to 17.07.2020
- ❖ Attended Two weeks Ministry of Science and Technology, NSTEDB, Government of India, New Delhi in association with Entrepreneurship Development institute of India (EDII), Ahmadabad Sponsored Faculty development Programme on Entrepreneurship organized by Anna University Regional campus Madurai from 17.06.2019 to 29.06.2019.
- ❖ Attended One week Faculty development programme organized by PMO-IEDP (Programme monitoring office - Innovation and entrepreneurship development programme) in EDII Trichy Hub, UCE, BIT campus Anna University, Tiruchirappalli from 24.07.2019 to 26.07.2019
- ❖ Attended Centre for Faculty Development, Anna University, Chennai Sponsored ONE week Faculty development programme on "CS-6702 Graph Theory and Applications" organized by department of Mathematics, Bharathidasan Institute of Technology Campus, Anna University, Tiruchirappalli-620 024 from 22.05.2017 to 28.05.2017.
- ❖ Attended Two weeks TEQIP II Sponsored Faculty development programme on "Computation, Optimization and Modelling of Sustainable Energy Systems(COSMSES'16)" organized by department of EEE, Bharathidasan Institute of Technology Campus, Anna University, Tiruchirappalli-620 024 from 20.06.2016 to 03.07.2016.
- ❖ Attended one week TEQIP II Sponsored Faculty development programme on "Role of Renewable Energy in Indian Power Sector(RREIPS'15)" by department of EEE, Bharathidasan Institute of Technology Campus, Anna University, Tiruchirappalli-620 024 from 12.09.2015 to 27.09.2015
- ❖ Attended Two weeks TEQIP II Sponsored Faculty development programme on "Advanced Research in Material for Engineering and Technological Applications" by department of Physics, Bharathidasan Institute of Technology Campus, Anna University, Tiruchirappalli-620 024 from 17.07.2015 to 31.07.2015

- ❖ Attended Two weeks TEQIP II Sponsored Faculty development programme on "Thermal Engineering Applications for Sustainable Improvement" by Department of Mechanical Engineering, Bharathidasan Institute of Technology Campus, Anna University, Tiruchirappalli-620 024 from 15.06.2015 to 28.06.2015
- ❖ Attended Two weeks TEQIP II Sponsored Faculty development programme on "Comprehensive Approach of Biotechnological Applications" by Department of Biotechnology, Bharathidasan Institute of Technology Campus, Anna University, Tiruchirappalli-620 024 from 16.04.2015 to 29.04.2015
- ❖ Attended Seven days TEQIP II Sponsored Faculty development programme on multidisciplinary perspectives for pharmaceutical, life science educators and researchers organized by department of Pharmaceutical Technology, Anna University, Bharathidasan Institute of Technology Campus, Tiruchirappalli-620 024 from 09.12.2013 to 15.12.2013
- ❖ Attended Seven days TEQIP II Sponsored Faculty development programme on Emerging Trends in Biotechnology organized by department of Biotechnology, Anna University, Bharathidasan Institute of Technology Campus, Tiruchirappalli-620 024 from 19.08.2013 to 25.08.2013
- ❖ Attended Seven days TEQIP II Sponsored Faculty development programme on Recent Trends In Renewable Energy Sources (RANRES-2013) organized by department of Petrochemical Technology, Anna University, Bharathidasan Institute of Technology Campus, Tiruchirappalli-620 024 from 26.08.2013 to 01.09.2013
- ❖ Attended two weeks school programme on "Current Development in Biological, Nano and Pharmaceutical Technology 05.04.2010 & 18.04.2010 held at the Department of Pharmaceutical Technology, Anna University, Bharathidasan Institute of Technology Campus, Tiruchirappalli-620 024 from 05.04.2010 to 18.04.2010
- ❖ Attended two weeks summer school programme on "Current Trends in Nanotechnology" held at the Department of Mechanical Engineering NIT Warangal during 30.06.2008 to 12.07.2008
- ❖ Attended refresher Course on "Faculty Induction Programme" held at the Department of Educational Technology, Bharathidasan University, Tiruchirappalli-620 023 during 26.12.2005 & 27.12.2005.

- ❖ Attended Seven day university level special camping programme on “Healthy Youth for Healthy India” refresher Course on “Faculty Induction Programme” held at the Bharathidasan University, Tiruchirappalli-620 024 from 22.12.06 to 28.12.06.

Seminar attended:

- ❖ Participated in Two days workshop on perspectives and challenges in outcome based research y “University workshop on Digital India” organized by NITT Tiruchirappalli -620 015 under the agies of MARGDHARSHAN Scheme during July 13 to 17, 2020.
- ❖ Participated in Intellectual property rights & Entrepreneurship organized by PMO-IEDP (Programme monitoring office - Innovation and entrepreneurship development programme) in EDII Trichy Hub, UCE, BIT campus Anna University, Tiruchirappalli from 22.11.2019 to 23.11.2019
- ❖ Participated in one day International seminar on Development of smart inverters for Photovoltaics and energy storage in TRP Engineering College on 20.12.2017
- ❖ Participated in one day “University workshop on Digital India” organized by NSS Anna University, Chennai on 25th February 2016.
- ❖ Participated in TEQIP II Sponsored one day workshop on “Energy Conservations and alternate options” organized by Department of Chemical Engineering, NIT, Tiruchirappalli – 620 024 on 20th May 2016.
- ❖ Participated in one day orientation programme for NSS Programme officers and student volunteers held on 30.11.2015 at Anna University Regional Office Tiruchirappalli.
- ❖ Participated in two days Science academics sponsored lecture workshop on “Recent advances in Materials Chemistry” organized by Department of chemistry, Anna University, Bharathidasan Institute of Technology Campus, Tiruchirappalli-620 024 on 07th and 08th March 2014.
- ❖ Participated in Three days ISTE - WPLP National workshop on Effective teaching and Learning Pedagogy held during 05th to 07th February 2014 at KTDC Trivandrum
- ❖ Attended Second International Workshop on “Nanotechnology & Health Care” organized by SASTRA University Thanjavur – 613402 during 23rd – 24th May 2005.

- ❖ Attended "Two Day Workshop on process Simulation Using ASPEN Plus" organized by SASTRA University Thanjavur – 613402 during 9th – 10th June 2005.
- ❖ Attended One Day International E-Symposium on "Pharmaceutical Engineering – An Insight into the Latest Developments" organized by Pharmaceutical Engineering and Technology, Bharathidasan University, Tiruchirappalli – 620 024 during 3rd March 2006.
- ❖ Participated in one day workshop on "Environment and Hygiene" organized by Department of Chemical Engineering, NIT, Tiruchirappalli – 620 024 on 9th December 2006.
- ❖ Participated in the workshop on "Recent advances and challenges of Biotechnology Processes" organized by Department of Chemical Engineering, NIT, Tiruchirappalli – 620 024 on 15th & 16th December, 2006.
- ❖ Participated in the workshop on "Multiphase Flow and Process Industries" organized by Department of Chemical Engineering, NIT, Tiruchirappalli – 620 024 on 24th March 2007.
- ❖ Participated in the workshop on "Bioseparation Techniques" organized by Department of Chemical Engineering, NIT, Tiruchirappalli – 620 024 on 14th April 2007.
- ❖ Attended two days "International Seminar and Workshop on medical and pharmaceutical Nanotechnology" held at the Department of Pharmaceutical Technology, Anna University, Bharathidasan Institute of Technology Campus, Tiruchirappalli-620 024 from 25.09.2008 to 26.09.2008.

Co Curricular Activities

Programme Organized through National Service Scheme (NSS)

S. No	Programme Name	Duration	Number of programmes Organized
1	NSS Special Camp	10 days	7
2	NSS Special Camp	7 Days	3
3	National Integration Camp	10 Days	3
4	Passport Camp	1 Day	5
5	PAN card Camp	1 Day	10
6	Road Safety Rally	1 Day	4
7	AIDS Awareness Camp	1 Day	4
8	Blood Camp	1 Day	5
9	Eye camp	1 Day	4
10	Dental Camp	1 Day	3
11	Dengue Awareness Camp	1 Day	1
12	Voters Awareness Camp	1 Day	2
13	Disaster management programme	1 Day	3
14	Digital India workshop	1 Day	1
15	Peer Education Orientation Programme	1 Day	5
16	Fire and safety programme	1 Day	2

17	Rally - Traffic Rules and Rain Water Harvesting	1 Day	1
18	Computer Training to village School students	1 Day	5
19	Diabetic awareness Camp	1 Day	1

Programme Organized through Entrepreneurship Development and Innovation Institute (EDII) Hub

S.No.	Name of the Programme	Number of Participants	Programme Date	Programme Details
1.	Entrepreneurship Awareness Camp	100	06.09.2016 to 08.09.2016	DST -NIMAT, EDII, Ahmedabad
2.	Training Programme on “Entrepreneur Development”	200	06.10.2017 to 09.10.2017	Women Entrepreneurs Association of Tamil Nadu, Trichy
3.	Top Management Programme	50	12.03.2018	Entrepreneurship Development and Innovation Institute(EDII), Government of Tamil Nadu.
4.	E - Leader Workshop	50	28.11.2017 to 29.11.2017	Entrepreneurship Awareness for Student members
5.	Three - days FDP on Entrepreneurship Educator Programme (Learn Wise Course 101)	19	11.07.2018 to 13.07.2018	FDP Training for the faculty members to enhances the understanding and sharpens the knowledge of E cell, 5 M Model of Entrepreneurial Styles, barriers to implementation, design thinking, customer profiling, milestone, risk management

6.	Two day E- Leaders workshop	59	19.07.2018 to 20.07.2018	To create awareness among students about Entrepreneurship Development activities, introduce E-Cell hierarchy in their college, make use of AIEDP web portal or Learn wise software to integrate with EDC and E-Cell member
7.	New Entrepreneurship cum Enterprise Development Scheme (NEEDS)Programme	35	11.06.2018 to 29.06.2018	Educated youth will be identified, given entrepreneurial training, assisted in preparation of business plan, helped to tie up with banks/TIIC/SIDBI and linked with major industrial clients to set up new business venture
8.	Six day Campus AXIL Startup Accelerator Programme	37	22.09.2018 to 24.09.2018 and 27.09.2018 to 29.09.2018	Campus Axil is a professionally designed Startup Acceleration program for Students. It helps the participants to validate, shape and build a startup business model around their venture ideas.
9.	Tamil Nadu Student Innovators (TNSI) - 2018 Awareness Programme	65	04.01.2019	The main goal of this program is to discover, nurture, and fund innovative ideas from students and young graduates that have the potential to become innovative products and successful enterprises.
10.	Train The Trainers - Tamil Nadu Ilam Innovators Challenge (TNIIC 2019)	65	11.06.2019	Training Programme for the field coordinators to organize entrepreneurship programme for school students.

11.	Take Off	100	13.07.2019	TAKE Off - Training for students for registration of company, managing inventory/ stores, investor, etc. were the learning outcomes.
12.	Three days Faculty Development Programme on Tamil Nadu Open University- Entrepreneurship Development Programme	38	24.07.2019 to 26.07.2019	The objective of the FDP is to make Faculty Coordinators of E Cell understand the nature of entrepreneurship, and its importance to business. To impart basic entrepreneurial skills and understandings to run a business efficiently and effectively
13.	Two Day E-Leader Workshop	40	20.08.2019 to 21.08.2019	This workshop aims to train E-leaders, who will be able to establish and transform Entrepreneurship Cells (E-cells) of the represented college through inspired leadership.
14.	Two Day Design Thinking Workshop	44	26.09.2019 to 27.09.2019	Training for how to scale up their business idea, Business Model Plan and marketing. Totally 16 teams from 10 spoke colleges participated in this workshop.
15.	Two Day Workshop for Faculties on Intellectual Property Rights and Entrepreneurship	36	22.11.2019 to 23.11.2019	Faculty coordinators interested in Commercialization of their research /projects/thesis are shortlisted and invited for this workshop
16.	Stage 1- Tamil Nadu Student Innovators 2019- Awareness Programme	150	18.12.2019	Awareness and training programme for Registration of TNSI state level entrepreneurship programme.

17.	Stage 2- Tamil Nadu Student Innovators 2019- One Day Ideation Programme- Batch I	106	09.01.2020	Shortlisted teams/ideas are trained on the topic lean canvas- a one page business template by the trainers and they have to pitch the idea in front of panel members.
18.	Stage 2- Tamil Nadu Student Innovators 2019- One Day Ideation Programme- Batch II	87	20.01.2020	Shortlisted teams/ideas are trained on the topic lean canvas- a one page business template by the trainers and they have to pitch the idea in front of panel members.
19.	Stage 3- Tamil Nadu Student Innovators 2019- Three Days Residential Boot camp Training Programme	69	30.01.2020 to 01.02.2020	The three days residential boot camp training workshop is focused on experience sharing and validating the existing business platform established/ budding entrepreneurs.
20.	Two days Intellectual Property Rights and Entrepreneurship for Students	46	06.03.2020 to 07.03.2020	Transforming student innovators to entrepreneurs by sensitizing information about patent registration and about Intellectual Property.
21.	Tamil Nadu Student Innovators 2020 stage II one day ideation programme- Batch I	122	11-12-2020	Shortlisted teams/ideas are trained on the topic lean canvas- a one page business template by the trainers and they have to pitch the idea in front of panel members.
22.	Tamil Nadu Student Innovators 2020-Trichy Region stage III three day Boot Camp Training Programme	53	01-03-2021 to 03-03-2021	The three days residential boot camp training workshop is focused on experience sharing and validating the existing business platform established/ budding entrepreneurs.

23.	Entrepreneurship Awareness programme at the (UCE, BIT Campus) spoke colleges	45	27-01`-2021	For the Entrepreneurship Development Cell - Student members
24.	Entrepreneurship Awareness programme at the spoke colleges (K.Ramakrishnan College of Tech.)	40	27-01-2021	For the Entrepreneurship Development Cell - Student members
25.	Entrepreneurship Awareness programme at the spoke colleges (Cauvery College for Women)	50	29-01-2021	Entrepreneurship Awareness programme at the spoke colleges
26.	Entrepreneurship Awareness programme at the spoke colleges (Indra Ganesan College of Nursing)	60	29-01-2021	Entrepreneurship Awareness programme at the spoke colleges
27.	Entrepreneurship Awareness programme at the spoke colleges (Valluvar College of Science and Management, Karur)	59	01-02-2021	Entrepreneurship Awareness programme at the spoke colleges
28.	Entrepreneurship Awareness programme at the spoke colleges (Govt. Polytechnic College, Srirangam)	62	03-02-2021	Entrepreneurship Awareness programme at the spoke colleges
29.	Entrepreneurship Awareness programme at the spoke colleges (M.Kumarasamy College of Engg., Karur)	40	06-02-2021	Entrepreneurship Awareness programme at the spoke colleges
30.	TNSI Awareness Programme	44	12.06.2022	TNSI Awareness Programme at UCE, BIT Campus, Anna University Tiruchirappalli
31.	Awareness programme on Entrepreneurship & Innovation (Cauvery arts and science college, Trichy.)	455	17/08/2022	How to becoming a good entrepreneurs to our society
32.	Awareness programme on Entrepreneurship &	108	23/08/2022	Discussion out EDII-IEDP and it activities for students

	Innovation(JMC College, Trichy)			
33.	Awareness programme on Entrepreneurship & Innovation(AIMAN Arts and science college, Trichy)	200	24/08/2022	How to generate good ideas
34.	Awareness programme on Entrepreneurship & Innovation(JJ College of engineering, Trichy)	100	26/08/2022	How to becoming a good entrepreneurs to our society
35.	Awareness programme on Entrepreneurship & Innovation(Indira Ganesan engineering college, Trichy)	300	29/08/2022	Discussion out EDII-IEDP and it activities for students
36.	Awareness programme on Entrepreneurship & Innovation(Chettinadu engineering college, Karur)	155	30/08/2022	How to initiate the Start-ups
37.	Awareness programme on Entrepreneurship & Innovation (Dhanalakshmi Srinivasan Engineering college, Perambalur)	200	30/08/2022	How to initiate the Start-ups
38.	Awareness programme on Entrepreneurship & Innovation(Kongunadu College of Engg. & Tech.)	155	28/08/2022	How to initiate the Start-ups
39.	Awareness programme on Entrepreneurship & Innovation (MIET Engineering college)	100	30/08/2022	How to initiate the Start-ups
40.	Awareness programme on Entrepreneurship & Innovation(Shivani Engineering college)	103	30/08/2022	How to initiate the Start-ups

41.	TNSI 2022 Awareness program(Cauvery College for Women (Autonomous)Trichy)	258	06/01/2023	Awareness on TNSI
42.	TNSI 2022 Awareness program(AIMAN arts&science college, Trichy)	120	12/01/2023	Awareness on TNSI
43.	TNSI 2022 Awareness program(MAMSE, Trichy)	250	12/01/2023	Awareness on TNSI
44.	TNSI 2022 Awareness program(JJ College of engineering and tech, Trichy)	70	13/01/2023	Awareness on TNSI
45.	TNSI 2022 Awareness program(Bishop Heber College (Autonomous) Trichy)	80	09/02/2023	Awareness on TNSI
46.	TNSI 2022 Awareness program(JMC College, Trichy)	100	24/01/2023	Awareness on TNSI
47.	TNSI 2022 Awareness program(Chettinad engineering college, Karur)	100	25/01/2023	Awareness on TNSI
48.	TNSI 2022 Awareness program(Kongunadu engineering college, Trichy)	100	25/01/2023	Awareness on TNSI
49.	TNSI 2022 Awareness program (Valluvar Science and Managements, Karur)	100	25/01/2023	Awareness on TNSI
50.	TNSI 2022 Awareness program(Dhanalaksmi Srinivasan engineering college, Trichy)	100	30/01/2023	Awareness on TNSI
51.	Faculty Development Programme(FDP) (AUT, Trichy)	42	26/09/2022 to 28/09/2022	E&I Development training for faculties

52.	E-Leader workshop (AUT, Trichy)	56	29/09/2022 to 30/09/2022	Leadership training for students to become ED-Cell leader at their institution
53.	Two days Design Thinking Workshop	50	01.11.2022 to 02.11.2022	To learn how to build their ideas
54.	Innovation Voucher Programme (IVP) at Jamal Mohamed College (Autonomous)	100	15.10.2022	To create awareness on Innovation Voucher Programme
55.	Innovation Voucher Programme (IVP) at Government Arts College, Tiruchirappalli	100	21.10.2022	To create awareness on Innovation Voucher Programme
56.	Innovation Voucher Programme (IVP) at Government College of Engineering, Srirangam	100	27.10.2022	To create awareness on Innovation Voucher Programme
57.	School Innovation Development Project (SIDP) for Tiruchirappalli and Perambalur Districts	300	17.10.2022 & 18.10.2022	To create awareness on innovative ideas for School students
58.	Boot Camp for School Innovation Development Project (SIDP) (For School students)	300	23.01.2023 & 24.01.2023	To evaluate the best innovative ideas from School students
59.	Regional Level 2 Days TNSI Ideation Programme	156	22.02.2023 & 23.02.2023	Training to create innovative ideas
60.	Boot Camp for College students	118	08.3.2023 to 10.03.2023	To evaluate the best innovative ideas from College students
61.	Intellectual Property Rights (IPR) Workshop through Online		30.03.2023 & 31.03.2023	To create awareness on Intellectual Property Rights
62.	EDP for outgoing students(Chettinadu engineering college, Perambalur)	100	05/04/2023	Developing their E&I skills for final year students

63.	EDP for outgoing students(JMC College, Trichy)	100	31/01/2023	Developing them E&I skills for final year students
64.	EDP for outgoing students (SRM TRP Engineering College, Trichy.)	100	06/04/2023	Developing them E&I skills for final year students
65.	EDP for outgoing students (Dhanalakshmi Srinivasan Engineering College, Perambalur)	450	31/01/2023	Developing them E&I skills for final year students
66.	EDP for outgoing students (MAM College of Engineering)	100	30/11/2022	Developing them E&I skills for final year students
67.	EDP for outgoing students (Hallmark B School, Trichy)	102	29/11/2022	Developing them E&I skills for final year students
68.	EDP for outgoing students (Cauvery College for Women (Autonomous) Trichy	148	27.01.2023	Developing them E&I skills for final year students
69.	EDP for outgoing students (UCE, BIT Campus, Anna University, Tiruchirappalli	100	01.03.2023	Developing them E&I skills for final year students
70.	EDP for outgoing students(Chettinadu engineering college, Perambalur)	100	05/04/2023	Developing them E&I skills for final year students
71.	TNSI 2022 Boot Camp	118	08/03/2023 to 10/03/2023	Third stage OF TNSI 2022 and sessions carried about proto type preparation
72.	EDP for outgoing students(SRM TRP Engineering College, Trichy.)	100	31/01/2023	Developing them E&I skills for final year students
73.	EDP for outgoing students(OASYS Institute of Technology, Trichy.)	100	09/05/2023	Developing them E&I skills for final year students

74.	EDP for outgoing students(PABCET, Trichy.)	100	10/05/2023	Developing them E&I skills for final year students
75.	EDP for outgoing students (MIET Arts and Science, Trichy.)	100	10/05/2023	Developing them E&I skills for final year students
76.	EDP for outgoing students(JJ College of Engineering, Trichy.)	100	10/05/2023	Developing them E&I skills for final year students
77.	EDP for outgoing students (MAMSE, Trichy.)	100	10//05/2023	Developing them E&I skills for final year students
78.	Awareness on IPR (MAMSE, Trichy)	100	29/08/2023	Lecture on Intellectual Property Rights

Webinars Organized through Entrepreneurship Development and Innovation Institute (EDII) Hub

S. No	Date & Time	Topic	No. of Participants Attended
1.	06.05.2020 02.30 pm to 03.30 pm	Discussion on Conducting Online Finals- Trichy Zone	21
2.	13.05.2020 10.15 am to 12.00 pm	Awareness on Innovation Voucher Program- Grant by EDII TN	46
3.	17.05.2020 10.30 am to 11.30 pm	Technopreneur from a Banker Perspective – The Team Huddle before Demo Pitch	25
4.	18.05.2020 02.30 pm to 04.30 pm	Tamil Nadu Student Innovators 2019- Demo Pitch	21
5.	01.06.2020 11.00 am to 12.00 pm	Role of Business Incubation Centres in Promoting Entrepreneurship	48
6.	11.06.2020 11.00 am to 12.00 pm	Start your venture and build it - 8 in 1 Webinar Series Webinar 1: Self Discovery & Opportunity Discovery	18
7.	18.06.2020 & 11.00 am to 12.00 pm	Webinar 2: Design Thinking - (Start your Venture & Build it 8 in 1 Webinar Series)	26
8.	26.06.2020 & 10.30 am to 11.30 am	Webinar 3: Customer & Value Proposition (Start your Venture & Build it 8 in 1 Webinar Series)	25
9.	27.06.2020 & 10.30 am to 12.00 pm	Webinar 4: Business Model Canvas (Start your Venture & Build it 8 in 1 Webinar Series)	24

10.	28.06.2020 & 10.30 am to 12.00 pm	Webinar 5: Finance and Business Regulations (Start your Venture & Build it 8 in 1 Webinar Series)	18
11.	29.06.2020 & 10.30 am to 01.00 pm	Webinar 6: Validation of Business Model (Start your Venture & Build it 8 in 1 Webinar Series)	6
12.	02.07.2020 11.00 am to 12.30 pm	EDII TN- Tamil Nadu Student Innovators Challenge - (Guest webinar to Bharathidasan University Entrepreneurship, Innovation and Career Hub (BECH)- Bharathidasan University, Trichy)	37
13.	03.07.2020 11.00 am to 12.30 pm	Webinar 7: Branding & Marketing (Start your Venture & Build it 8 in 1 Webinar Series)	37
14.	04.07.2020 11.00 am to 12.00 pm	Webinar 8: Case Study of a Successful Entrepreneur (Start your Venture & Build it 8 in 1 Webinar Series)	26
15.	08.07.2020 10.45 am to 12.30 pm	Stock/Share Market Investment and Trading – Basics	58
16.	17.07.2020 11.00 am to 12.30 pm	How to apply for the Innovation Voucher Grant?- A Practical guide from successful beneficiary	44
17.	20.07.2020 11.00 am to 12.30 pm	Idea to Market- A primer on Bio-Business	98
18.	22.07.2020 11.00 am to 01.00 pm	Role of Biotechnology and Nanotechnology in promoting Entrepreneurship	119
19.	25.07.2020 10.00 am to 11.30 am	Igniting the Young Entrepreneurs (Guest Speaker to Spoke College- Kongunadu College of Engineering and Technology, Thottiyam)	100
20.	27.07.2020 10.30 am to 11.30 am	How to get PMEGP loan- Guidelines from Successful Beneficiary	56
21.	03.08.2020 11.00 am to 12.30 pm	Startup India Recognition- For Startups and Aspiring Entrepreneurs	65
22.	07.08.2020 11.00 am to 12.30 pm	Art of Selling	67
23.	10.08.2020 03.00 pm to 04.30 pm	Business Development and Entrepreneurship- Hangout with a Successful Startup	43
24.	13.08.2020 03.30 pm to 05.00 pm	Tamil Nadu Student Innovators 2020- Stage 0 Awareness Programme- Trichy Batch I	86
25.	21.08.2020 04.00 pm to 05.00 pm	Industry 4.0- Making Smart and Intelligent Manufacturing Hub	72

26.	13.08.2020 03.30 pm to 05.00 pm	Tamil Nadu Student Innovators 2020- Stage 0 Awareness Programme- Trichy Batch I	86
27.	24.08.2020 03.30 pm to 05.00 pm	Tamil Nadu Student Innovators 2020- Stage 0 Awareness Programme- NSN College of Engineering and Technology, Karur	120
28.	27.08.2020 02.00 pm to 04.00 pm	Tamil Nadu Student Innovators 2020- Stage 0 Awareness Programme- Holy Cross College (autonomous), Trichy	77
29.	05.09.2020 11.00 am to 01.00 pm	Tamil Nadu Students Awareness (TNSI) 2020 - University College of Engineering, BIT Campus, Anna University, Tiruchirappalli	95
30.	08.09.2020 11.00 am to 01.00 pm	Tamil Nadu Students Awareness (TNSI) 2020 Valluvar College of Science and Management, Karur	138
31.	12.09.2020 10.00 am to 12.00 pm	Tamil Nadu Students Awareness (TNSI)2020 - Cauvery College for Women Trichy	90
32.	12.09.2020 03.00 pm to 04.30 pm	Tamil Nadu Students Awareness (TNSI)2020 - RVS Group of Institutions, Dindigul	67
33.	15.09.2020 11.00 am to 12.30 pm	Tamil Nadu Students Awareness (TNSI)2020 - SSM Institute of Engineering and Technology, Dindigul	37
34.	17.09.2020 02.30 pm to 04.00 pm	Tamil Nadu Students Awareness (TNSI)2020 - K. Ramakrishnan College of Engineering and Technology, Trichy	726
35.	18.09.2020 10.00 am to 12.00 pm	Tamil Nadu Students Awareness (TNSI)2020 - Government Polytechnic College, Karur & Government Polytechnic College, Srirangam	123
36.	28.09.2020 10.30 am to 12.00 pm	Tamil Nadu Students Awareness (TNSI)2020 - MAM School of Engineering Trichy	343
37.	28.09.2020 02.30 pm to 04.30 pm	Tamil Nadu Students Awareness (TNSI)2020 - K Ramakrishnan College of Engineering, Trichy	157
38.	29.09.2020 10.30 am to 12.00 pm	Tamil Nadu Students Awareness (TNSI)2020 - M Kumarasamy College of Engineering, Karur	95