

Annual Report of General Engineering Department for the Academic Year 2020-21

I am pleased to present the Annual Report of General Engineering Department for the academic year 2020-21



1) FACULTY ACHIEVEMENTS:

- 1) Dr. M.S. Shaikh received Award of Excellence for Meritorious contribution in Teaching (Soft Skills) at NKOCET, Solapur.
2. Prof. P.A. Ubale received Best Teacher award in General Engineering Department at NKOCET, Solapur.

2) FACULTY PUBLICATIONS:

- 1) Prof.A.V.Sadlapurkar “2-chlorobenzaldehyde thiocarbonylhydrazone: a novel reagent for liquid-liquid extractive spectrophotometric determination of copper(II) from environmental and real samples”. (International Journal of Environmental Analytical Chemistry, DOI: 10.1080/03067319.2021.1912333.)

- 2) Prof.P.A. Ubale presented a paper titled “Synthesis and Characterization of copper(II), cadmium(II) and nickel(II) complexes containing 3-amino-2-methyl-4(3H) quinazoline and triphenylphosphine as ligands” in the International Conference on “Advanced Technologies for Societal Applications” at Pandharpur on 11th and 12th December 2020.

- 3) Prof.P.A.Ubale “Synthesis and Characterization of copper(II), cadmium(II) and nickel(II) complexes containing 3-amino-2-methyl-4(3H) quinazoline and triphenylphosphine as ligands” (Springer Nature).

- 4) Prof.P.A.Ubale “Antitumor and Antimicrobial Potential of Manganese(II), Nickel(II) and Copper(II) Complexes of 4-Methoxy Benzohydrazide Derived Schiff Base Ligand” (International Journal Letters in Applied Bionanoscience)

3) FACULTY INTERACTION WITH OTHER INSTITUTIONS

- 1) Prof S D Jadhav organized workshops on Virtual labs for Dayanand Junior and Senior.College faculties and on 20th May 2021 and
- 2) Prof S D Jadhav conducted sessions on “Career opportunities after 12th” for S.V.C.S. Tuition Classes, Shri Academy Solapur on 21st May 2021.
- 3) Prof A H Kangale conducted sessions on “Career opportunities after 12th” for Sulakhe High School Barshi 5th March 2021.
- 4) Prof A H Kangale organized Virtual Lab sessions for 12th Students of Barshi and Vairag region on 29th May 2021.
- 5) Prof A H Kangale organized Virtual Lab sessions for Senior and Junior College Faculty of Dayanand College on 17th May 2021.
- 6) Dr. M.S. Shaikh conducted Session on “Documents required for Engineering Admissions” on 2nd March 2021 for BQK Junior College Solapur.

- 7) Dr.M.S.Shaikh conducted a webinar on “Significance of Soft Skills in Career Development” for Sangameshwar College Solapur on 28th May 2021.
- 8) Prof. Shivaji Chavan conducted session for Kalyanrao Ingalge Polytechnic, Akkalkot on 02nd January 2021 “Personality Development” and “Interview Techniques” on 13th May 2021.
- 9) Prof. Shivaji Chavan conducted session for Shelgaon Jr. College on “Time and Stress Management” on 03rd March 2021.
- 10) Prof. Shivaji Chavan conducted session for Chh. Shivaji Jr. College, Solapur on “Documents Required for 12th Students for Engineering Admissions” on 23rd March 2021.
- 11) Prof. Shivaji Chavan conducted session for Pratibha Niketan Jr. College, Murum on “Documents Required for 12th Students for Engineering Admissions” on 12th March 2021.
- 12) Prof M T Ingale conducted online session on “Introduction of different online platforms for Practicals” for SVCS MIDC, SVCS Bhavani Peth and SVCS Boramani on 25th March 2021.
- 13) Prof M T Ingale conducted the Programme of Motivational lecture by Prof I I Mujawar for Hattargi Classes on 16th March 2021.
- 14) Prof. Mrs Ubale conducted online session on “Introduction of different online platforms for Practicals” for Bharati Vidyapeeth and Haribhai Devkaran Jr.College on 10th March 2021.
- 15) Prof.Mrs.A.V.Sadlapurkar coordinated a session for “Documents required for 12th Students for Engineering Admissions” for H.D.Junior College on 10th March 2021.
- 16) Prof. Umakant Jadhav conducted session for Shelgaon Jr. College on “Documents required for 12th Students for Engineering Admissions” on 03rd March 2021.
- 17) Prof. Umakant Jadhav conducted session for Shripatrao Bhosale Jr. College Osmanabad on “Documents required for 12th Students for Engineering Admissions” on 23rd March 2021.

4) SHORT TERM COURSES/ CONFERENCES/ WORKSHOPS ATTENDED/ ORGANISED BY OUR FACULTY MEMBERS.

1. Prof. S.D. Jadhav

- Attended one week STTP on “Fractional Calculus “organized by SVNIT Surat from 28 Dec 2020 to 01 Jan 2021
- Attended a Virtual International conference on Soft Computing ,Optimization Theory” organized by BIT Zharkhand on 26th &27th March 2021.

2. Dr. M.S. Shaikh

- 16-week Refresher course “Annual Refresher Program in English Language Teaching” organized by SWAYAM for ARPIT, 2020 (1 Dec 2020 to 31 Mar 2021).
- 5 days Online FDP on Universal Human Values Refresher-1 organized by AICTE from 15th-19th February, 2021.
- 5 days Online FDP on “Incorporating Universal Human Values in Technical Education” organized by DBATU from 28th July to 1st August 2020
- Conducted Mock Group Discussion for MPSC Main qualified candidates from different regions of

Maharashtra State organized by NKOCET, Solapur from 4th to 8th Jan 2021

- Plenary Webinar by David Crystal on 23rd January 2021 organized by Nadar College of Engineering.
- Faculty Development / Skill Development Programme on 'Let's Communicate Effectively: Transforming Communication Skills' conducted by KIT's College of Engineering (Autonomous), Kolhapur from 20th to 25th July 2020.
- ELTAI Webinar "Teaching Language and Literature: Need for Meaningful Integration" on 12th July 2020.
- Online National Webinar on "Soft skills for successful Career and Entrepreneurship" on 2nd Feb 2021 organized by ELTAI.
- Modern Trends in 21st Century Indian Fiction on 25th February 2020 organized by ELTAI.

3. Prof. S.U. Chavan

- 16-week Refresher course "Annual Refresher Program in English Language Teaching" organized by SWAYAM for ARPIT, 2020 (1 Dec 2020 to 31 Mar 2021).
- 5 days Online FDP on Universal Human Values Refresher-1 organized by AICTE from 15th-19th February, 2021.
- 5 days Online FDP on "Incorporating Universal Human Values in Technical Education" organized by DBATU from 14th to 18th December 2020.
- Conducted Mock Group Discussion for MPSC Main qualified candidates from different regions of Maharashtra State organized by NKOCET, Solapur from 4th to 8th Jan 2021.
- Plenary Webinar by David Crystal on 23rd January 2021 organized by Nadar College of Engineering.

4. Prof. Mrs. P.A. Ubale

- Online International Conference on "Advanced Technologies for Societal Applications – Techno Societal 2020", held at SVERI's College of Engineering, Pandharpur (M.S.), India from 11-12 December, 2020.
- Virtual International Conference on Porous Materials for Energy and Environment (PMEE-2021) held at Department of Chemistry, Govt. College of Arts, Science and Commerce, Khandola Goa during 12th and 13th March 2021.

5. Prof. M.T. Ingale

- Attended Universal Human Values Workshop conducted by AICTE from 22nd to 27th Dec 2020.
- Attended a one day workshop on "Biodegradable Polymers Derived from Renewable Resource material" organized by Science college Kalamb on 12th March 2021.
- Attended a webinar on "How to prepare best scientific review articles" by School of Life Science Nanded on 24th April 2021.
- Attended a national workshop on "Instrumental methods of chemical Analysis" from 27th to 31st March 2021

organized by Baburaoji Adaskar Mahavidyalaya, Kaij Dist. Beed, Maharashtra.

6. Prof. A.H. Kangale

- National level Webinar on "Research Technique and Challenges" organized by Shivajirao S. Jondhale College of Engineering & Technology Asangaon from 26th to 28th May 2020.
- FDP on "Game Pedagogy in Outcome Based Education" organized by K.C. College of Engineering & Management Studies and Research Thane from 11th to 12th June 2020.
- National level Webinar "Recent trends in Applied Mathematics" organized by IQAC and Dept of Mathematics of Arts, Commerce and Science college, Lanja on 13th June 2020.
- FDP on "Outcome based Education Software" organized by VM edulife Software Services on 9th July 2020.
- Online Workshop on "Use of LATEX in typesetting technical documents" organized by Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab from 31st August to 4th September 2020.

7. Prof. N.L. Mane

- Online National Webinar on "How to Achieve Excellence in NIRF" organized by Sangameshwar College (Autonomous), Solapur, held on 14th May 2021.
- Two days online Educational Summit on "Outcome – Based Education (OBE) and National Assessment & Accreditation Council (NAAC)" organized by Mastersoft ERP solutions in association with the IQAC, Maharashtra Institute of Technology, Aurangabad held on 14th & 15th May 2021.

8. Prof. U.K. Jadhav

- Plenary Webinar by David Crystal on 23rd January 2021 organized by Nadar College of Engineering, Chennai.
- Conducted Mock Group Discussion for MPSC Main qualified candidates from different regions of Maharashtra State organized by NKOCET, Solapur from 4th to 8th Jan 2021
- 5 days Online FDP on Universal Human Values Refresher-1 organized by AICTE from 15th to 19th February, 2021.
- 5 days Online FDP on "Incorporating Universal Human Values in Technical Education" organized by DBATU from 2nd July to 6th July 2020.
- 5 days Online FDP on "Incorporating Universal Human Values in Technical Education" organized by DBATU from 13th to 17th July 2020.

5) CONTRIBUTION OF FACULTY MEMBERS IN VARIOUS DEPARTMENT & INSTITUTE LEVEL ACTIVITIES

Sr. No.	Name of faculty	Contribution
1	Prof.S.D.Jadhav	Head, of Dept. General Engineering
		Admission Coordinator Core- Committee member
2	Prof. Mrs. A.V. Sadlapurkar	Ladies Hostel Rector
		Induction Program Coordinator
		Internal Marks & POE Coordinator
3	Dr.M.S. Shaikh	Academic Plan Coordinator
		Magazine Coordinator
4	Prof. A.H. Kangale	Result Analysis Coordinator
		Exam Coordinator
5	Prof. Mrs. P.A. Ubale	Parent Teacher Association
		Parents meet coordinator
6	Prof. Mrs. M.T. Ingale	Psychological counseling coordinator
		AMC Coordinator Student's Stationary Coordinator
7	Prof. S.U Chavan	College Magazine Coordinator
		Motivational Lecture Co-ordinator
8	Prof. N.L. Mane	Time Table Coordinator Website Coordinator
		Archive Coordinator
9	Prof. U.K. Jadhav	Internship Coordinator
10	Prof. A.P. Savant	Study session Coordinator

6) STUDENT DEVELOPMENT PROGRAMS: -

a) Orientation Sessions: - FE HOD, Head Training and Placement, Class Coordinators and respective subject teachers, conducted Orientation Sessions for the students.

b) Induction Programme: Induction program of 1 week was conducted comprising of various activities like Imbibing Human Values, Interaction with Industry Experts by MACCIA, Interaction with all the Departments, motivational session "Excel the Excellence" etc. in the beginning of the semester. This helped the students to be acquainted with the new environment and with the subjects mentioned in the curriculum. The department conducted a session on Humanities and Moral Values for the students.

c) Internship: First Year Students successfully completed their 2 week internship by enrolling for the course TCS iON Career Edge - Young Professional. This course equipped the students with core employability skills such as communication, collaboration, business etiquette, financial and digital literacy skills

d) Personal Counseling: - Mrs. Alka Kakade conducted psychological counselling session for the First Year Engineering Students.

e) Motivational Lectures: -

1) Prof. I.I. Mujawar conducted a motivational lecture for the first year students on "Excel the Excellence".

f) Parent Meet: -

The department organized Parent Meet of all Divisions in March & June 2021.

g) Proctor System: - A group of 20 students is assigned to each faculty member. These faculty members work as their local guardian, mentor and guide and help the students to cope up with their academic and personal problems. The faculty members inform the parents about academic performance and the attendance of the students.

h) Book Bank Scheme: -Book Bank Scheme to each student for entire semester helped the student for easy availability of books for their studies & knowledge gain.

i) Prelim Exam:- Prelim Exam was conducted which helped the students to improve their Academic Performance in the University Exam.

j) Online Activities during Covid-19

During the lockdown period 100% of the syllabus was completed. The Teaching Faculty of all subjects covered theory as well as practicals. Online lectures, Tests, Interaction with the Alumni and Industry experts, Proctor Meetings and Parent Meetings were conducted through various platforms like Google Meet, Microsoft Teams and Zoom. Practical of various subjects were conducted through Virtual Labs. Self-recorded videos and online resources were provided to the students for concept clarity and syllabus coverage. Students have enrolled for various free online Internships on platforms like Coursera, TCS and Internshala, which has benefitted the First Year Students. Overall, a fruitful engagement of the students was maintained during the lockdown phase.

(Prof. S.D. Jadhav)

Head

Department of General Engineering