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REPORTS

REPORTS

Civil Engineering Department



Dr. V. K. Patki

I am delighted to present the Annual Report of Civil Engineering Department for the academic year 2019-20.

1) ACADEMIC PERFORMANCE

The students have showed excellent performance in university examination. Result of S.E, T.E and B.E classes of April/May 2019 examination are as follows:

a) Performance in University Examination

University Gold Medal-

Mr. Sherla Shraavan bagged University "Gold Medal". He stood first in Solapur University.

Rankers of the Class:

The classwise rankers are as follows:

BE (Civil)

Rank	Name of Student	Percent age	University Rank
I	Shraavan Sherla	87.8%	I
II	Aditya Lomate	86.03%	IV
III	Balaji Galpalli	86.00%	V
IV	Jyotiba Bhosale	85.8%	VII
V	Sangaram Pawar	85.5%	VII
VI	Vaishnavi Kurapati	85.5%	IX

TE (Civil)

Rank	Name of Student	Percent age	University Rank
I	Mithapalli Jayendra Krishnasagar	85.33	III
II	Thalange Shreyash Anil	84.85	IV
III	Dharashivkar Ziya	83.82	VI
IV	Chatla Navin Nagnath	83.27	IX

SE (Civil)

Rank	Name of Student	Percentage
I	Vaishnavi Ramchandra Gaikwad	90.44
II	Dharashivkar Umera Samreen Aeja Ahmed	90.12
III	Suryavanshi Abhishek Nagesh	88.56
IV	Vidap Saikrishna Laxminarasayya	86.56
V	Dakhani Tahreem Fatima Anwar Khan	86.04

b) Performance in GATE Examination

1) GATE-2020: Extra classes were conducted in the month of December and January by the faculty members of our department to guide the students for GATE-2020 Examination. Six students qualified GATE-2020 Examination. The details are as follows:



Sr. No.	Name of Student	Percentile
01	Pritam Khaster	89.23
02	Navin Chatla	88.12
03	Vilas Maheshan	82.15
04	Samiksha Maske	81.56
05	Ravi Sartape	81.00
06	Ashwaghosh Kamble	79.25

c) Success in GRE/TOEFL

Following students of Civil Engineering Department have cleared GRE/ TOEFL/ IELTS Examination & admitted to MS in universities abroad.

Sr. No.	Name of Student	Pursuing MS Abroad
01	Ms. Shalvi Deshmukh	Claimson University, USA
02	Mr. Vinayak Mhamane	University of New Havens, USA
03	Ms. Ankita Chavan	Queens University, Canada

d) Student Publication

1) Shubham Rajguru, Sanket Patil, Ajinkya Sutar, Rohansingh Pardeshi, Prabhuling Shinge and Akshay Bagalkoti have participated and Published paper in proceeding of national level Technical symposium 2020 ISBN 978-93-5407-601-5 on “Comparing the Strength of Blocks made from cement and Lateritic soil cement” under the guidance of Prof. R. G. Maske.

e) Best Outgoing Student of The Department



Mr. Jayendra Mithapalli of B.E Civil class is declared Best Outgoing Student of the

Department.

1) FACULTY PUBLICATIONS

Our Institute motivates Faculty members to publish their research in National and International Journals with high impact factors. Following paper are published in International Journal.

1) V. K. Patki, (2020) “Six Sigma: Literature Review and Methodologies to Improve Implementation” Test Engineering and Management, Vol.83(1) ,71-79. (Scopus Indexed ISSN 0193-4120).

2) V. K. Patki, (2019) “ Anti-Glare Headlamp a Safe Option for Better Vision to the Rider” International Journal of Innovative Technology and Exploring Engineering, Volume-8, Issue- 9S2, July 2019 (Scopus Indexed ISSN: 2278-3075).

3) Jahagirdar S S, Patki V K (2019). “Evaluation of Physical and Chemical Properties of OPC and PPC Cement”.International Journal of Recent Technology and Engineering (IJRTE), Vol-8, issue 9S11, 840-845 (Scopus Indexed ISSN 0193-4120).

4) Patki V K, Jahagirdar S (2020). “Urban Water Distribution Network Failure Prediction using Artificial Intelligence”. TEST Engineering & Management, Vol-82(1), 8355-8362. (Scopus Indexed ISSN 0193-4120).

5) Jahagirdar S S, (2019). “Assessment of Water Quality Index for Hipparga Lake in Solapur City”.The International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Vol. 8(6), 7364-7369.

6) V. K. Patki, (2020) “Development of water quality index for Godavari River (India) based on fuzzy inference system ”



Groundwater and Sustainable Development, Vol.10 ,100350. (Elsevier Publisher, Scopus Indexed)

7) Kankuntla Ashok Y., Rajgiri D. N. , Maske R. G. , Kulkarni S. R. (2020). “Prefabricated Construction Technology for Multistoreyed Building” International Journal of Innovative Technology And Exploring Engineering, Vol-9, (3)(Scopus Indexed Journal ISSN No.2278-3075).

8)Kankuntla Ashok Y. (2019) “Comparative Study Of Multistoried Commercial Building With Flat Slab”, Journal of Emerging Technologies and Innovative Research, Vol.6, Issue 6, page no.373-380 (Thomson Reuters & UGC Indexed Journal ISSN: 2349-5162).

9) Thavare Ramkrishna M. (2019). “Improvement of Lake Water Quality Index using Nitrolite Mineral” J. of Emerging Tech. And Inn. Res, ISSN No.2349-5162(Thomson Reuters & UGC Indexed Journal ISSN: 2349-5162).

10) Maske Ravi G. (2019). “Comparative Study of Different Composting Methods” J. of Emerging Tech. and Inn. Res, ISSN No.2349-5162(Thomson Reuters & UGC Indexed Journal ISSN: 2349-5162).

11) Salimath Veeresh S., Farooq Ahmed Maniyar (2019). “Improvement of Subgrade Soil characteristics by utilizing Lime and rise husk ash” Int. J. of Engg. Re. And Tech., ISSN No.2278-0181

3) FACULTY ACHIEVEMENT

l) On the occasion of Teachers' day, Institute felicitates faculty members who have shown excellent performance throughout the Academic year. Prof.A. Y. Kankuntla was honored with



Best Teacher award from Department of Civil Engineering for the Academic Year 2018-19.

4) INDUSTRY-INTITUTE INTERACTION

a) Training Programs for Practicing Engineers

This year our Principal Dr. J. B. Dafedar is unanimously selected as a President of ISSE Solapur Solapur Chapter. We conducted following Programs for the Practicing Engineers.

Sr. No.	Name of Events	Name of Speaker	In Collaboration with	No. of Participants
1	Supplementary software used in Civil Engg.	Mr. Prakash Bajaj, Mumbai	ISSE Solapur Local Center	46
2	Righteous Process of Durable Concrete	Mr. Aand Patil Engg. Services, Kolhapur	ISSE Solapur Local Center & Ultra - tech Cement Solapur	80
3.	One day workshop on “ Structural Audit, Assessment and latest trends in structural repairs & retrofitting ”	Mr.Ravi Ranade, Constructi on Diagnostic Center, Mumbai and Mr. Salil Gadgil Conchem Pvt. Ltd, Mumbai	ISSE Solapur Local Center & Ultra - tech Cement Solapur	220



4.	Pune Metro Rail	Mr. Atul Gadgil Pune Metro Rail	ISSE Solapur Local Center & Polaad Steel Jalna	81
5.	Principles of Earth - quake Resis - tance Structural Framing System - ural	Prof. P.A. Sangave NKO CET, Solapur	ISSE Solapur Local Center & Polaad Jalna	50
6.	Ductile Design & Detail ing of Rein - forced Concrete Structures	Prof. P.A. Sangave NKO CET, Solapur	Associat ion of Architect s & Civil Enginee rs, Osm - anabad	60

b) Testing and Consultancy Activity

Civil Engineering Department is having highly qualified faculty members in all specializations and has the state-of-art laboratories. The department offers Testing and Consultancy in the following areas-

- Testing of Materials (for Buildings and Roads)
 - Concrete Mix Design
 - Surveying with Total Station
 - Soil Testing and Geotechnical Investigations
 - Proof Consultancy for Structural Designs
 - Water and Waste Water Testing
- Total Earning from Testing and

Consultancy for AY 2019-20 is 5,39,225/-

c) Industrial Training of the Students

- All S.E & T.E (Civil) students have undergone 15 days Industrial Training during winter vacation at various construction sites. This training helped the students to get industrial exposure.
- All S.E & T.E (Civil) students have completed various Online Training courses during Lockdown (Summer) vacation through various online Technical Course site like Coursera, Udemy etc. This training helped the students to get Technical Knowledge.



d) Industrial Training of the Faculty Members

Prof. V. A. Salimath and Prof. F. K. Maniyar have completed two weeks (28/11/2019 to 12/12/2019) industrial training at Solapur- Bijapur Bypass road project. This project was carried by Shinde Developers Pvt. Ltd. Pune. from

1) INSTITUTE SOCIAL RESPONSIBILITIES (ISR) ACTIVITY

Following Faculty members have delivered seminar at various polytechnics for the development of students. The details are as follows:

Details of Lecture conducted at other Institute:



Sr. No	Name of Faculty	Topic	Date	Name of Institute	Class
1	Prof. R. G. Maske	Steel & Reinforced Concrete Structure	3 Aug 2019	S.V.S.M. D's Polytechnic, Akkalkot.	TY
2	Prof. S. M. Kale	Placement Opportunities	3 Aug 2019	SVIT, Solapur	TY
3	Prof. R. G. Maske	Steel & Reinforced Concrete Structure	14 Aug 2019	SES Solapur.	TY
4	Prof. A. Y. Kankuntla & Prof. R. G. Maske	STAAD - Pro	27 Aug 2019	S.V.S.M. D's Polytechnic, Akkalkot	TY
5	Prof. A. Y. Kankuntla & Prof. R. G. Maske	STAAD - Pro	4 Sep 2019	SES Solapur.	TY
6	Prof. F. S. Kazi	Hydraulic Engg.	24 Sep 2019	Government Polytechnic, Solapur	TY
7	Prof. R. G. Maske	STAAD - Pro	24 Sep 2019	VIT Sandipani Institute of Polytechnic, Latur	TY

8	Prof. R. G. Maske	Steel Structure	25 Sep 2019	VIT Sandipani Institute of Polytechnic, Latur	TY
9	Prof. P.A. Sanga ve	Structural Audit	2 Mar 2020	S.V.S.M. D's Polytechnic, Akkalkot	TY
10	Prof. P.A. Sanga ve	Structural Audit	2 Mar 2020	SSW Polytechnic, Akkalkot	TY

b) Details of Practical's conducted for polytechnics:

Sr. No	Name of Faculty	Expt. on	Date	Name of Institute	Class
11	Prof. V. A. Salimath	Highway Engg.	27 Aug 2019	S.V.S.M. D's Polytechnic, Akkalkot.	TY
12	Prof. G.J. Kulkarni	Concrete Technology	28 Aug .2019	S.V.S.M. D's Polytechnic, Akkalkot.	TY
13	Prof. V. A. Salimath	Highway Engg.	29 Aug 2019	SES Polytechnic, Solapur	TY
14	Prof. R. M. Thavare	Public Health Engineering	21 Sep 2019	Moulana Azad Polytechnic Solapur	TY
15	Prof. V. A. Salimath	Highway Engineering	21 Sep 2019	Moulana Azad Polytechnic Solapur	TY



16	Prof. A. U. Phadnis	Structural Mechanics	21 Sep 2019	Moulana Azad Polytechnic Solapur	TY
17	Prof. S. R. Nirantar	Surveying	21 Sep 2019	Moulana Azad Polytechnic Solapur	TY
18	Prof. G.J. Kulkarni	Concrete Technology	24 Sep 2019	V J Shinde Polytechnic Osmanabad	TY
19	Prof. R. M. Thavare	Public Health Engineering	24 Sep 2019	V J Shinde Polytechnic Osmanabad	TY
20	Prof. V. A. Salimath	Highway Engineering	24 Sep 2019	V J Shinde Polytechnic Osmanabad	TY
21	Prof. A. U. Phadnis	Structural Mechanics	24 Sep 2019	V V J Shinde Polytechnic Osmanabad	TY
22	Prof. S. R. Nirantar	Surveying	24 Sep 2019	V J Shinde Polytechnic Osmanabad	TY
23	Prof. V. A. Salimath	Highway Engineering	25 Sep 2019	SVIT, Solapur	TY
24	Prof. A. U. Phadnis	Structural Mechanics	25 Sep 2019	SVIT, Solapur	TY

25	Prof. S. R. Nirantar	Surveying	25 Sep 2019	SVIT, Solapur	TY
26	Prof. R. M. Thavare	Engg. Geology	8 Jan. 2020	S.V.S.M. D's Polytechnic, Akkalkot	TY
27	Dr. S. B. More	Geotechnical Engg.	8 Jan. 2020	S.V.S.M. D's Polytechnic, Akkalkot	TY
28	Prof. F. S. Kazi	Hydraulic Engg.	8 Jan. 2020	S.V.S.M. D's Polytechnic, Akkalkot	TY

c) Online Session Conducted for Polytechnics during Lockdown

Sr. No	Name of Faculty	Topic	Date	Name of Institute	Class
1	Dr. J. B. Dafedar	Design of RCC Structure	3rd Apr. 2020	All Polytechnics in and around Solapur, Osmanabad, Latur etc.	TY
2	Dr. S. S. Jahagirdar	Public Health Engg.	10 th Apr. 2020	All Polytechnics in and around Solapur, Osmanabad, Latur etc.	TY

6) SHORT TERM COURSE/ CONFERENCE/WORKSHOPS ATTENDED/ ORGANISED BY



OUR FACULTY MEMBERS

To cope up with the recent technologies and advancement in the field of Civil Engineering, following Faculty members have attended Workshop, Seminar and Short term training programs at various Institutes.

1. Prof. G. J. Kulkarni, Prof. A. U. Phadnis, Prof. A. Y. Kankunla, Prof. S. M. Kale & Prof. V. A. Salimath attended One Day workshop on 'Linux' Organized by NK Orchid College of Engg. & Tech., Solapur (23rd Aug. 2019)

2. Dr. S. S. Jahagirdar attended Two day International Conference on "Management, Engineering and Social Science" organized by Institute for Research and publication on 23rd & 24th Aug. 2019 at Mumbai.

3. All faculty members of Civil Engg. Dept. attended Twelve week NPTEL course on "NBA Accreditation and Outcome based learning" conducted by MHRD, India & IIT Kharagpur (1st July to 16th Nov. 2019)

4. Dr. S. B. More attended One day workshop on "Virtual Lab" organized by MHRD, India & COE, Pune at WIT Solapur on 11th Oct. 2019.

5. Prof. S. M. Kale attended One Week workshop on "Research Methodology – Techniques and Softwares" organized by DBATU, Lonere & K. B. Patil College of Engg. Satara from 11th to 15th Nov. 2019.

6. All faculty members have attended one day workshop on Structural Audit, Assessment & Latest trends in Structural repairs & Retrofitting organized by NKOCET & ISSE Solapur on 22nd Jan. 2020

7. Dr. J. B. Dafedar, Dr. V. K. Patki, Dr. S. S.

Jahagirdar, Prof. D.S.Pawar, Prof. R. G. Maske & Prof. R. M. Thavare attended One Day workshop on 'Special topics in Industry Applications' Sponsored by DBATU under TEQIP & Organized by NK Orchid College of Engg. & Tech., Solapur (3rd Jan. 2020)

8. Prof. S. M. Kale attended One Day Seminar on 'Geopolymer Concrete' Organized by ICI, Bangalore (18th Feb. 2020)

9. Prof. S. M. Kale, Prof. D. S. Pawar, Prof. F. K. Maniyar, Prof. F. S. Kazi & Prof. Anjan Kumar attended one day workshop on C & C++ language conducted by NK Orchid College of Engg. & Tech., Solapur & organized by MHRD, India

10. During Lockdown Period following faculty members have attended the Online workshops/ Seminars and conferences

a. Dr. V. K. Patki

Title of workshop/ seminar/ conference	Organized by
Online workshop on "Online Teaching"	QASPIR and Indian Universities
Course on "Engineering Mechanics"	Cousera
three week lecture series on "Leap Lecture Series"	Smart Infrastructural Engineering Hyderabad
one day workshop on "Covid 19 Awareness Program"	Shivaji University, Kolhapur



Completed Two week workshop on “Effective and Efficient online teaching in the age of Corona - A hands on Workshop”	ICT at IIT Bombay “BodhiTree Platform” (Funded by MHRD)
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b. Dr. S. S. Jahagirdar

Title of workshop/ seminar/conference	Organized by
1. One Month International FDP on “Environment and Sustainability”	DYPCOE, Akurdi
2. Course on “Air Pollution”	Coursera
3. Course on “Household Water Treatment and Safe Storage”	Coursera
4. Course on “Municipal waste Management in developing Country”	Coursera

c. Dr. S. B. More

Title of workshop/ seminar/conference	Organized by
1. Course on “Matrix Algebra for Engineers”	Coursera
2. Course on “Mastering Statics”	Coursera
3. Course on “Introduction to Engineering Mechanics”	Coursera
4. Four Day Course on “Examination Reforms”	AICTE
5. Three days workshop on “Current Research in Civil Engineering”	TCE, Gadag
6. Webinar on “Outcome Based Education Software”	Vmedulife

d. Prof. S. R. Nirantar

Title of workshop/ seminar/conference	Organized by
1. Three week FDP Course on “Whatsapp Outcome based Education”	DYPCOE, Akurdi
2. Course on “Introduction to Engineering Mechanics”	Coursera
3. One week FDP on “BOSS Linux”	Spoken Tutorial Project IIT Bombay
4. Training on “Effective and Efficient Online Teaching”	IIT, Bombay
5. One Day Live Session on “Education and Industry 2020”	DBATU, Lonere

e) Prof. A. Y. Kankuntla

Title of workshop/ seminar/conference	Organized by
1. One week FDP on “Technical Teachers Training”	VIT, Pal
2. Elearning program on Primary Steel Making	TATA STEEL
3. One Day Live Session on “Education and Industry 2020”	DBATU, Lonere
4. 3 days webinar on “Research Technique and Challenges”	SSJCOET, Thane
5. STP On “Innovation and Upgradation in Infrastructure Technology”	TERNA



f) Prof. G. J. Kulkarni

Title of workshop/ seminar/conference	Organized by
1. One Month International FDP on "Environment and Sustainability"	DYPCOE, Akurdi
2. Course on "Entrepreneurship"	Coursera
3. Webinar on "Use of Construction Chemicals in Construction Industry"	RIT, Islampur
4. STP On "Innovation and Upgradation in Infrastructure Technology"	TERNA

g) Prof. D. S. Pawar

Title of workshop/ seminar/conference	Organized by
1. Elearning program on Primary Steel Making	TATA STEEL
2. Course on "Mechanics of Materials III Beam Bending"	Coursera

h) Prof. A. U. Phadnis

Title of workshop/ seminar/conference	Organized by
1. Course on "Mechanics of Materials III Beam Bending"	Coursera

i) Prof. S. M. Kale

Title of workshop/ seminar/conference	Organized by
1. Course on "Mechanics of Materials III Beam Bending"	Coursera

j) Prof. R. G. Maske

Title of workshop/ seminar/conference	Organized by
1. Elearning program on Primary Steel Making	TATA STEEL
2. Course on "Air Pollution"	Coursera
3. One week FDP on "Open Foam"	Spoken Tutorial Project IIT Bombay
4. 3 days workshop on Education 4.0	Atharv College of Engg., Mumbai
5. one week FDP on Industrial IOTS	Spoken Tutorial Project IIT Bombay
6. Webinar on "Earthquake Engineering and Technology"	ISET, Roorkee
7. One week FDP on "Metro Rail Technology"	RIT Islampur
8. One week FDP on "Outcome Based Education"	GCE, Karad
9. 5 days Webinar on "Indian Seismic Codes"	IIT, Madras
10. One week FDP on "Technical Teachers Training"	VIT, Pal
11. Training on "Effective and Efficient Online Teaching"	IIT, Bombay
12. One week FDP on "Moodle Learning Management System"	Spoken Tutorial Project IIT Bombay
13. Webinar on Stability Analysis of Steel Structure	Bentley Institute
14. One week FDP on "GIT"	Spoken Tutorial Project IIT Bombay
15. webinar on "Construction Management Professionals & Aspirants"	Sandip University



16. One week STP on “ Smart and Sustainable world in concrete and structures”	AISSMSCO E, Pune
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k) Prof. R. M. Thavare

Title of workshop/ seminar/conference	Organized by
1. One Month International FDP on “Environment and Sustainability”	DYPCOE, Akurdi
2. Course on “Air Pollution”	Coursera
3. One week FDP on” BOSS Linux”	Spoken Tutorial Project IIT Bombay
4. 3 days workshop on Education 4.0	Atharv College of Engg., Mumbai
5. Webinar on “Use of Construction Chemicals in Construction In dustry”	RIT, Islampur
6. One week FDP on” Engineering Education and Industry””	RGIT, Mumbai

l) Prof. D. N. Rajgiri

Title of workshop/ seminar/conference	Organized by
1. Elearning program on Primary Steel Making	TATA STEEL
2. Course on “Fundamentals of Project Planning and Management”	Coursera
3. 3 days workshop on Education 4.0	Atharv College of Engg., Mumbai

4. One week FDP on “Latex”	Spoken Tutorial Project IIT Bombay
5. One week FDP on “AutoCAD”	Autodesk
6. 3 days webinar on “ Research Technique a nd Challenges”	SSJCOET, Thane
7. One Day Live Session on “Education and Industry 2020”	DBATU, Lonere
8. Three days workshop on “ Current Research in Civil Engineering”	TCE, Gadag

m) Prof. S. R. Kulkarni

Title of workshop/ seminar/conference	Organized by
1. one week FDP on Industrial IOTS	DBATU Lonere
2. One week FDP on Vision for Future of Structural Engineering	ADCET, Ashta
3. One week FDP on” Open Foam”	Spoken Tutorial Project IIT Bombay
4. One week FDP on” Outcome Based Education”	GCE, Karad
5. On e week FDP on “ GIT”	Spoken Tutorial Project IIT Bombay

n) Prof. F. S. Kazi

Title of workshop/ seminar/conference	Organized by
1. Elearning program on Primary Steel Making	TATA STEEL
2. Course on “GIS”	Coursera



3. 3 days workshop on Education 4.0	Atharv College of Engg., Mumbai
4. Course on “GIS Mapping”	Coursera
5. Five days workshop on “Advance in Civil Engineering”	NIT, Nagpur
6. Three days workshop on “Current Research in Civil Engineering”	TCE, Gadag
7. Course on “GIS data acquisition and map design”	Coursera

o) Prof. V. S. Salimath

Title of workshop/ seminar/conference	Organized by
1. One week FDP on “GIT”	Spoken Tutorial Project IIT Bombay
2. Three days workshop on “Current Research in Civil Engineering”	TCE, Gadag
3. 3 days webinar on “Research Technique and Challenges”	SSJCOET, Thane
4. Course on “Mastering Bitumen for better roads”	Coursera
5. Course on “Materials Science”	Coursera

p) Prof. F. K. Maniyar

Title of workshop/ seminar/conference	Organized by
1. Course on “Mastering Bitumen for better roads”	Coursera
2. One week FDP on Outcome Based Education and accreditation”	IILMCOET

3. One week FDP on “GIT”	Spoken Tutorial Project IIT Bombay
4. Three days workshop on “Current Research in Civil Engineering”	TCE, Gadag
5. 3 days webinar on “Research Technique and Challenges”	SSJCOET, Thane

q) Prof. Anjan Kumar

Title of workshop/ seminar/conference	Organized by
1. Webinar on “Use of Construction Chemicals in Construction Industry”	RIT, Islampur
2. Course on “Mechanics of Materials III Beam Bending”	Coursera
3. Three days workshop on “Current Research in Civil Engineering”	TCE, Gadag
4. 3 days webinar on “Research Technique and Challenges”	SSJCOET, Thane

7) CO-CURRICULAR COURSES FOR STUDENTS

The department has conducted following Add on courses to bridge the gap between industry and academia. Following Add on courses have been conducted in the A.Y. 2019-20.

1) Prof. R. G. Maske & Prof. A. Y. Kankuntilla conducted Two week workshop on STAAD-Pro Software for SE 110 Students. (28th May 2019 to 13th June 2019)

2) Prof. D. S. Pawar & Prof. R. G. Maske



Organized One-week workshop on Revit Software for TE & BE 60 Students. It is conducted by Mr. Bajaj and Ms. Solomon, IEI Belapur Chapter, Navi Mumbai.(21st to 26th May 2019)

3) Prof. S. M. Kale conducted Two Days workshop on “C Programming” for SE 144 Students. (15th Sep. to 17Th Sep. 2019)

4) Prof. P. A. Sangave, Prof. R. G. Maske & Prof. A. Y. Kankuntla conducted Two week Online workshop on STAAD-Pro Software for 54 External Civil Engineers .(1st June 2020 to 15th June 2020) & (17th June 2020 to 04th July 2020)

5) Prof. P. A. Sangave, Prof. R. G. Maske & Prof. A. Y. Kankuntla conducted Two week Online workshop on STAAD-Pro Software for 15 External Civil Engineers .(22nd June 2020 to 06th July 2020)

6) Prof. S. M. Kale, Prof. S. R. Kulkarni & Mr. Vasim Shaikh conducted Two week Online workshop on Auto CAD for 23 External Civil Engineers .(24th June 2020 to 8th July 2020)

7) Prof. P. A. Sangave & Prof. A. Y. Kankuntla conducted Two week Online workshop on Advance STAAD-Pro Software for 23 External Civil Engineers .(24th June 2020 to 8th July 2020)

8) Prof. R. G. Maske Organized One week workshop on Revit Software for 26 External Civil Engineers conducted by Ms. Solomon, IEI Belapur Chapter, Navi Mumbai.(22nd June 2020 to 06th July 2020)

2) NPTEL COURSES

National Programme for Technology Enhanced Learning (NPTEL) is a joint initiative of IITs and IISc to offer online

courses and certification in various domains learn for free, pay a small fee to write an exam and get a certification. I am happy to mention here that our students are actively participating in many NPTEL courses. The participation details for academic year 2019-20 are as follows:

Sr. No.	NPTEL C course	No. of Students Registered
1	Design of Reinforced Concrete Structures	BE- 116
2	Design of Steel Structure	TE- 82
3	Geotechnical Engineering	TE- 76
4	Soft Skill	SE- 92
5	Higher Surveying	SE-142
6	Hydraulic Engg.	SE-143
7	Foundation Engg.	TE- 135
Total		786

NPTEL Toppers :

I am proud to share that our students showed excellent performance in NPTEL Examination, which was jointly conducted by IITs & IISc. The details of Top performers are as follows:

Sr. No.	Name of Student	Score	All India Rank	Course
1	Rahul Raut	97%	Top 2%	Reinforced Concrete Structures
2	Kajal Devkate	96%	Top 5%	
3	Navin Chatla	94%		



9) CONTRIBUTION OF FACULTY MEMBERS IN VARIOUS DEPARTMENTAL & INSTITUTIONAL ACTIVITIES:

There has been active participation of our faculty members in various departmental and Institute level activities. The details are as follows:

Sr. No.	Name of faculty	Contribution
1.	Dr. V. K. Patki	Head, Dept. of Civil Engg.
		Core- Committee member
		Grievance Redressal Committee Member
2.	Dr. S. S. Jahagirdar	Dean R&D
		Core- Committee member
		Grievance Redressal Committee Member
3.	Prof. S. B. More	Member of Library Committee
4.	Prof. S. R. Nirantar	Proctor Co -ordinator
5.	Prof. D. S. Pawar	Training and Placement Co -ordinator
6.	Prof. S. M . Kale	GATE Co -ordinator & Departmental Career Counselor
		PG Co -ordinator
7.	Prof. S. R. Kulkarni	Institute Landscaping Incharge
		CESA Faculty Co -ordinators
8.	Prof. G. J. Kulkarni	Industry Institute Co -ordinator
		Testing and Consultancy Co -ordinator
9.	Prof. A. U. Phadnis	Project Co -ordinator
		OrchiTech - 2019 Co-ordinator

10.	Prof. R. M. Thavare	Time Table Co -ordinator
		Result Analysis Co -ordinator
		Department Test Co -ordinators
11.	Prof. F. K. Maniyar	Departmental Library Co-ordinator r.
12.	Prof. R. G. Maske	Industrial Training Co -ordinator
13..	Prof. D. N. Rajgiri	Solapur University Oral Examination
14.	Prof. V. A. Salimath	Term work Co -ordinator
15.	Prof. A. Y. Kankuntla	Apprend Co -ordinator
		ERP Co -ordinator.
		Website Co -ordinator.

10) PARTICIPATION OF STUDENTS IN VARIOUS COMPETITIONS

Following Students bagged prizes in paper presentations and other technical competitions held by various institutes in academic year 2019-20.

Sr. No.	Name of student & Class	Compe - tition	Organi - zed by	Prize
1	Ms. Dharashivkar Umera, Suryavanshi Abhishek & Madda Bhaskar (TE)	Technical Event - Analysis and Design of Steel Truss Compe titi on	DIEMS, Auranga bad & ISSE, Auranga bad	First
2	Mr. Vitkar Dnyaneshwar (TE)	Auto CAD War	AGTEC H FEST AGPIT, So lapur	Seco nd



3	Mr. Vitkar Dnyaneshwar (TE)	TechDraw Event	DISTA - 20 NBNSC OE, Solapur	First
4	Mr. Akash Kannurkar (BE)	Power Presentation	AGTECH FEST AGPIT, Solapur	First
5	Mr. Vittal Konda (BE)	Model Making	AGTECH FEST AGPIT, Solapur	Second
6	Mr. Ashwaghosh Kamble (BE)	Technical Quiz	DISTA - 20 NBNSC OE, Solapur	Second
7	Ms. Sneha Kairamkonda (TE)	Poster Presentation	Kshitij2k20 SVERI Pandharpur	Second
8	Mr. Vitkar Dnyaneshwar (TE)	CAD Race	OLYMPUS2k19 SVERI Pandharpur	First

Sr. No.	Post	Name of the Students
1	President	Miss. Soni Dilip Chavan
2	Vice President	Mr. Sanket Sandip Kashid
3	General Secretary	Mr. Rushikesh Rahul Patil
4	Main Treasurer	Mr. Utkarshraje Jadhav Mr. Ganesh Chavan
5	Cultural Co-ordinator	Miss. Vinaya Sarwade Mr. Jayendra Mittapalli
6	Sports Co-ordinator	Mr. Faizaan Mujawar Mr. Akshay Yeole
7	Publicity Head	Miss. Richa Sanga Miss. Samiksha Maske
8	Technical Head	Mr. Shantanu Sarwade Miss. Bhakti Sargam
9	Food Co-ordinator	Mr. Sanket Patil Mr. Akash Dhaigode
10	Adviser / News Head	Miss. Shradha Badole Mr. Prajwal Nora
11	Asst. Cultural Co-ordinator	Mr. Akshay Pawar Miss. Rohini Jadhav
12	Asst. Sports Co-ordinator	Mr. Junaid Vijapure Mr. Shashank Sarwade
13	Asst. Treasurer	Mr. Mayur Venkappa Pudur
14	Asst. Food Co-ordinator	Mr. Prajwal Vyavahare
15	Asst. Publicity Co-ordinator	Mr. Rushikesh Bharti Mr. Guruprasad Patil
16	Anchoring Team Head	Miss. Manali P Lokare Mr. Akash kannurkar
17	Discipline Committee Head	Mr. Yash Kshirsagar Mr. Sagar Mali

11) CIVIL ENGINEERING STUDENTS ASSOCIATION (CESA) ACTIVITIES

a) CESA Committee Members:

Following students have worked as office bearers of Civil Engineering Students Association (CESA) for the academic year 2019-20.



b) Events Organized by CESA :

Following Expert lectures and Events were conducted for the students through the CESA.

Sr. No.	Topic	Resource Person & Date
1	Personality Development	Mr. Anish Shahstrabudhe Event Manager, Ice & Spice Event, Solapur for SE, TE & BE Students. (28th Aug. 2019)
2	Social Awareness	Prof. Bhimrao Kore Retired faculty from Dayanand college solapur for SE, TE & BE Students.(5th Sep. 2019)
3	Application of Engineering in Social Work	Prof. Hindurao Gore Principal, SVIT Polytechnic college solapur for SE, TE & BE Students.(15th Sep. 2019)
4	Built Environment for Career opportunity	Mr. Sanjay Patil & Abhishek Panchal Amity University for BE Students.(18th Sep. 2019)
5	Science of Psychometric & Employability Assessment	Dr. Songave, Mr. Patil from Brain berg for SE, TE & BE Students.(19th Sep. 2019)
6	Supplementary Softwares used in Civil Engineering	Mr. Prakash D. Bajaj from ISSE Solapur for TE & BE Students.(19th Oct. 2019)
7	Jal Sandharan	Mr. Madhukar Dhoiphode for TE & BE Students.(17th Jan. 20 20)

8	Placement Opportunities	Dipex Team Solapur for SE Students.(22nd Feb. 2020)
9	Upcoming Opportunities for Placement from their side, Skill Training Programs & Internship	Lecture on by Apprent Team Bangalore for TE & BE Students.(24th Feb. 2020)

12) EDUCATIONAL TRIPS & VISITS

To understand the practical aspects of Civil Engineering students have visited various Industries & sites. The details are as follows:

T.E		
Sr. No.	Educational Trip /Visit to	Accompanied by
1	Water Treatment Plant, Pakani, Solapur (11 th Aug. 2019)	Dr. V.K.Patki, Dr. S. S. Jahagirdar Prof. R. M. Thavare (for EE & WWT)
2	Water treatment plant, Soregaon, Solapur (11 th Aug. 2019)	
3	Sewage Treatment Plant, Degaon, Solapur. (7 th Feb. 2020)	
4	Common Effluent Treatment Plan t, MIDC Chincholi, Solapur. (7 th Feb. 2020)	
5	Mayuresh Apartment, Vasant Vihar, Solapur (15 th Feb. 2020)	Prof. S .R. Kulkarni (for BPD)
6	Vasant Vihar, Solapur (15 th Feb. 2020)	
7	Solapur Mangalwedha Highway, Solapur. (18 th Oct. 2019)	Prof.. V. A. Salimath & Prof. F.K. Maniyar (TRE)



S.E		
8	1)Baldawa Hospital, Solapur (5 th Aug. 2019)	Prof. S.R.Kulkarni (BC)

13) ONLINE WORK CARRIED DURING LOCKDOWN

In Corona Pandemic during lockdown following activities have been conducted by faculty members of Civil Engineering department.

- Online lecture for all the SE, TE and BE Classes on Zoom, Microsoft Team, WebEx, Google Scholar platform for every class and completed 100% syllabus.
- Online test series, CA-II and Mid Sem examination for every class
- Online project presentations for TE and BE classes.
- Conducted online Alumni Meet on 28th June 2020 on Zoom Platform. 46 Alumni's have attended the meet and shared their views.
- Online Send off for Final year students using college Youtube channel.

14) PG ACTIVITY

From A.Y. 2012-13 Post Graduation in Structural Engg. has been started with intake capacity of 18. Prof. S. M. Kale is the PG coordinator. Uptil now 38 students have completed their PG.

15) DEPARTMENT ADVISORY BOARD (DAB)

Civil Engineering Department has formed Department Advisory Board(DAB) and conducted meeting of all DAB members on 10th May 2020. Following are the member of DAB Committee

Sr. No.	Name of DAB Member	Designation	Name of Institute/Company
1	Dr. J. B. Dafedar	Principal	NKOCET, Solapur
2	Dr. V. K. Patki	HOD	NKOCET, Solapur
3	Dr. Katta Venatramana	Professor	NITK, Surathkal
4	Dr. Shrihari	Professor	NITK, Surathkal
5	Dr. Bakul Rao	Professor	IIT, Bombay
6	Dr. Munavalli	Professor	WCE, Sangli
7	Dr.K.S.Gumaste	Professor	WCE, Sangli
8	Er.Rajesh Bhatte	Director	Raje and Bhatte Associates Pune
9	Er. Bajaj	Director	IEI Belapur, Navi Mumbai
10	Er. Satish Nawale	Dy. Director	Shinde Developers, Pune
11	Er. Solamon	Director	IEI Belapur, Navi Mumbai
12	Er. Om Darak	Practicing Engineer	Secretary, ISSE, Solapur
13	Er. Sidhant Pawar	BIM Trainer	Thinktech Engineers, Pune
14	Er. Rohan Shiral (Alumni)	Deputy Engineer	Mumbai Metro Rail Co. Ltd.
15	Er. Ravi Shetti (Alumni)	Senior Engineer	Aspire Projects & Services Oman

16) SOCIAL ACTIVITIES OF STUDENTS

Civil Engineering students have donated 62 bottles of blood in the blood donation camps organized by the institute in association with NSS on 15th Sept 2019.

(Dr. V. K. Patki)

Head, Department of Civil Engineering



Computer Science and Engineering Department



(Dr. S.D. Raut)

It gives me great pleasure to present an overall report of Computer Science and Engineering Department for the academic year 2019-20.

1) ACADEMIC PERFORMANCE:

The department achieved good results. SE, TE and BE results for academic year 2018-19 are as follows:

a) Class wise Results:

SE : 91.66%
TE : 96.61%
BE : 98%

Rankers of Various Classes: The various class toppers are as follows.

b) Rankers of Various Classes: The various class toppers are as follows.

SE CSE		
Rank	Name of Students	Percentage %
1	MISS. BODDHUL SONALI GANESH	88.07
2	MISS. MOLANKAL AISHWARYA SHRINIVAS	86.17
	MISS. MOULVI SOBIYA AKHLAQUE AHMED	

3	MISS. RELEKAR VRUSHALI TUKARAM	85.60
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TE CSE		
Rank	Name of Students	Percentage %
1	Mr. PUKALE AADITYA CHANDRAKANT	82.23
2	Miss. MHAMANE NANDINI PRASHANT	81.54
3	MR. BHOSAGE YOGESH MALLINATH	81.03

BE CSE		
Rank	Name of Students	Percentage %
1	MISS.SHAILA KADAM -	84.1
2	MR.KANAK KAVADI	82.65
3	MISS.KAVITA DYAWANPALLI -	81.1

c) SPECIAL ACHIEVEMENTS:

i. Performance in GATE Examination
Extra classes were conducted in the month of December and January by the faculty members of our department to guide the students for GATE-2020 Examination. One student qualified GATE-2020 Examination. The details are as



follows:

Sr. No.	Name of Student	Perce - ntile
01	Kiran Kashinath Gawade	85.67

ii. BEST OUTGOING STUDENT OF DEPARTMENT:

Miss. Nandini Mhamane of B.E CSE class is declared Best Outgoing Student of NKOCET & Department.



iii. SEED Infotech State Level Online Coding Competition:

SEED Infotech took an online examination for CSE, Electrical and ENTC students for programming of 130 students in February 2020. Second round was conducted in Solapur University on 5th March 2020. In this round 2 students were selected in TOP 10 .Mr.Sakib Patel from TE CSE bagged first rank in university Level.

2) STUDENTS PLACEMENTS

Prof. P. S. Kankal is working as T & P Coordinator for the department. One hundred Seven students from final year of CSE are placed in various companies till date. The details are as follows

Sr. No.	Name of Company	Number of Students selected
1)	Teachers Insurance and Annuity Association (TIAA)	4
2)	Persistent System Limited	3
3)	EPIC Research, Indore	3
4)	eInfochips, Ahmedabad	3
5)	TATA Consultancy Servives	9
6)	Teksun Microsys Pvt Ltd	1
7)	RK Infosystems	1
8)	Bibox	2
9)	Wipro	5
10)	SilverLink	18
11)	ATOS/SYNTEL	5
12)	RK EDU APP	3
13)	Reliance Jio	1
14)	Qspiders	12
15)	Eywa Solutions	1
16)	Universal Education	5
17)	Vitusa	1
18)	Unikaihaṣu, Ahmedabad	2
19)	Successive Technologies	1
20)	Buzi Brains	26
	Total	122

3) CONTRIBUTION OF FACULTY MEMBERS IN VARIOUS DEPT. & INSTITUTE ACTIVITIES:

Sr. No.	Portfolio	Faculty Name
1.	HOD	Dr. S.D. Raut



1.	Class Coordinator	SE-A	Prof. A. R. Chinchawade
		TE-A	Prof. R. D. Uttarkar
		TE-B	Prof. M. S. Otari
		BE-A	Prof. S. A. Yemul
		BE-B	Prof. S. S. Jeurkar
2.	Placement and Alumni Coordinator	Prof. P.S. Kankal	
3.	PG Coordinator	Prof. M.B. Patil	
4.	Industry Coordinator	Prof. R.D. Uttarkar	
5.	Project Coordinator	Prof. Z.M.Shaikh	
6.	Carrier Counseling Cell (GATE, MPSC, MBA etc.)	Prof. S.A. Shinde	
7.	ZENSAR ESD Coordinator	Prof. M.B. Patil	
8.	CSESA	Prof. G. N. Nadargi	

4) STUDENT PARTICIPATION IN VARIOUS ACTIVITIES:

Our department students bagged many prizes in various paper presentations and other technical competitions at various places

Sr. No.	Name of student & Class	Competition	Organized by	Prize
1)	Pratibha Chimalgikar	Technical Quiz	Sinhgad COE Solapur	1 st
2)	Sobiya Moulavi			1 st
3)	Lavanya Mangalaram			2 nd
4)	Ritika Nora			2 nd
5)	Nandini Mhamane			1 st
6)	Pallavi Kavatgi	Paper Presentation	SKN, Pandharpur	1 st

5) INDUSTRY - INSTITUTE INTERACTION

Zensar ESD program:

Zensar technologies conducted campus drive and selected 76 students of TE CSE for Zensar ESD program.

6) SHORT TERM COURSES / CONFERENCES / WORKSHOPS ATTENDED BY FACULTY MEMBERS:

To cope up with the recent technologies and advancement in the field of Computer Science & Engineering, following Faculty members have attended Workshop, Seminar and Short term training programs at various Institutes.

- 1) All faculty from CSE Dept. attended Twelve week NPTEL course on "NBA Accreditation and Outcome based learning" conducted by MHRD, India & IIT Kharagpur (1st July to 16th Nov. 2019)
- 2) All Faculty from CSE Dept. attended



One day Workshop on R on 9 November 2019 organized by IIT Bombay.

- 3) All Faculty from CSE Dept. attended One day Workshop on Linux on 23 August 2019 organized by IIT Bombay.
- 4) All Faculty from CSE Dept. attended Python Workshop for Teachers and Research scholars on 22 June 2019 organized by IIT Bombay.
- 5) Prof. S.A. Yemul, Prof. Z. M. Shaikh, Prof. M. B. Patil, Prof. A. R. Chinchawade, Prof. R. D. Uttarkar, Prof. S.A. Shinde, Prof. V. B. Binage Prof. S. S. Jeurkar & Prof. M. S. Otari attended One Week FDP On Artificial Intelligence & Machine Learning Using Python during 10th Feb to 14th feb 2020 organized by NKO CET & DBATU.
- 6) Prof. S. S. Jeurkar attended One day Coordinators Workshop on C and C++ on 15 Feb 2020 organized by IIT Bomby.
- 7) Prof. S. S. Jeurkar & Prof. R. D. Uttarkar attended One day Workshop on "Industry 4.0" on 3rd Feb 2020 organized by NKO CET & DBATU.
- 8) Prof. S.A. Shinde attended One Day Workshop on Arduino held at NKO CET, Solapur on 8th February, 2020. Organized by IIT Bombay.
- 9) Prof. M. B. Patil, Prof. M. S. Otari, Prof. S. A. Shinde & Dr. V. V. Bag attended Two days FDP on Artificial Intellegenc enad Machine learning of Zensar FDP organized by

NKO CET solapur.

8) CO-CURRICULAR COURSES, WORKSHOPS AND INDUSTRIAL TRAINING:

Sr. No.	Name of Faculty / Conducting Company	Workshop /Guest Lecture	Class
1.	Prof. R. B Kulkarni, COE, Karad	"Startup and Entrepreneurship"	TE CSE
2.	Mr. Srinivas Chamarthy, MD, CYME Automation Pvt. Ltd.	"A Journey a Realize-Self"	SE CSE
3.	Prof. VikramIngle shwar, Ruchkar Solapur.com Solapur	"Startup and Entrepreneurship"	TE CSE
4.	Mr. Vishal Adheli, Vspace Technologies, Solapur	"Website development using Wordpress"	SE CSE
5.	Prof. I.I. Mujawar, EXTC Dept., NKO CET. Solapur.	"Success is my choice"	SE CES
6.	Dr. S. D. Raut, NKO CET, Solapur	Data structures with 'C'	SE CSE



1.	Prof. V. B. Binage, Prof. R. D. Uttarkar & Prof. A. R. Chinchawade, NKOCET, Solapur	Python Programming	SE CSE
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4	Social College, Solapur	Prof S.S. Damawale	Awareness of Computer Programming and Opportunities
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9) EXPERT LECTURES BY OUR FACULTY OUTSIDE THE INSTITUTE :

The institute motivates the faculty members to deliver lectures outside the institution. Following lectures were delivered by our faculty members in various institutes in and around Solapur.

Sr. No.	Name of Institute	Name of Faculty	Event / Topic
1	ShriVithal Education Research Institute's College of Engineering, Pandharpur	Prof. Anil R. Chinchawade	System Programming
2	Shri Vithal Education Research Institute's College of Engineering, Pandharpur	Prof. S. A. Yemul	Hadoop Framework & NOSQL Database
3	Sangameshwar College, Solapur	Prof. S. A. Yemul & Prof. G. N. Nadargi	Overview of Moocs & Swayam-NPTEL

10) NPTEL COURSES

I am happy to mention here that our students are actively participating in many NPTEL courses. The participation details for academic year 2019-20 are as follows:

Sr. No.	NPTEL Course	No. of Students Registered
1	The Joy of Computing using Python	SE, TE & BE-217
2	Introduction to Internet of Things	TE-43
3	Software Testing	BE-28
4	Introduction to Machine Learning	TE-110
5	Problem Solving through Programming in 'C'	SE-41
Total		439

11) During Lockdown Period following faculty members have attended the Online workshops/ Seminars and conferences / Course



Sr. No.	Name of Faculty Member	Title of workshop/seminar/conference / Course	Organized by
1	Prof. S.A Yemul	Completed 5 Week Course on Hadoop Application Platform	Coursera
		Completed 4 Week Course on Digital Marketing	NEAT – AICTE
		3 Days workshop on Effective and Efficient Online Teaching in the Age of Corona A Hands On 16th May 2020	IIT Bombay
		TQIP-III sponsored One week Online FDP on "Industrial IOT's, Industry 4.0 and disruptive Technology on 5th May to 10th May 2020	DBATU
		Attended One week FDP on Problem Based Learning(PBL) on 1st June to 5th June 2020	JSPM Pune

		Attended Three Days FDP on Data science Using R during 28th to 30th May 2020	K K Wagh Instiute,N ashik
		Attended Five Days FDP on Cyber Forensic & Cyber Security during 15th to 19th June 2020	Indian Server & GN Institute of Technology,Hydra bad
		Attended five Days FDP on Universal Humal Values in Education during 10th Aug to 14th Aug 2020	AICTE
		Webinar series - "To Guide Students to Select Meaningful Engineering Projects"	Dassualt Systems
		TQIP-III sponsored One week Online FDP on "Industrial IOT's, Industry 4.0 and disruptive Technology on 5th May to 10th May 2020	DBATU
2	Prof. Sneha Jeurkar	Attended One week FDP on Problem Based Learning(PBL) on 1st June to 5th June 2020	JSPM Pune



		Attended Three Days FDP on Data science Using R during 28th to 30th May 2020	K K Wagh Instiute,N ashik
		Attended Five Days FDP on Cyber Forensic & Cyber Security during 15th to 19th June 2020	Indian Server & GN Institute of Technology,Hydrabad
		3 Days workshop on Effective and Efficient Online Teaching in the Age of Corona A Hands On 16th May 2020	IIT Bombay
		Attended 7 Days International seminar (webinar series) on "Strategic Roadmap Towards Industry 4.0" on 1/6/2020 to 7/6/2020	NGM College, Coimbatore, TamilNadu.
		Attended webinar on "Career opportunity for engg and future jobs post Coid -19"	Mr.Pratap Sanap, PSL
		Attended Cyber Security meet up on 4/7/2020	AGIS
		Attended five Days FDP on Universal Humal Values in Education during 10th Aug to 14th Aug 2020	AICTE

		"DevOps Culture and Mindset" an online course 9 June 2020	Coursera
		One Week Online Faculty Development Program on "Engineering Education & the Industry: A Post COVID -19 Perspective" 1/6/2020 - 5/6/2020	Rajiv Gandhi Institute of Technology, Mumbai In associati on with Indian Institution of Industrial Engineering
		One Week National Level Faculty Development Programme on "Research Methodology" 26th May to 30th May 2020.	Internal Quality Assurance Cell, Padm. Dr. V. B. Kolte College of Engineering, Malkapur (M.S.) India.
		Two Days Faculty Development Program on "Artificial Intelligence in Healthcare" 10 and 11 June 2020.	R. C. Patel Institute of Technology, Shirpur
3	Prof. M. S. Otari		



		FDP: AICTE - NITTT - Module 1 - Orientation Towards Technical Education and Curriculum Aspects(8 weeks)	AICTE
4	Prof. Sana Hatture	FDP: AICTE - NITTT - Module 1 - Orientation Towards Technical Education and Curriculum Aspects(8 weeks)	
		FDP: AICTE - NITTT - Module 2 - Professional Ethics and Sustainability(8 weeks)	AICTE
		FDP: AICTE - NITTT - Module 3 - Communication Skills,Modes & knowledge Dissemination(8 weeks)	AICTE
		3 Days workshop on Effective and Efficient Online Teaching in the Age of Corona on 24th May	IIT Bombay

		Attended Webinar on Opportunities in the Rural areas-cost reduction, drudgery reduction, innovative applications, path breaking innovations on 27th May,2020	Dassault Systems Foundation, India
		Attended Webinar on Applications of AI and ML in Core Engineering on 8th June,2020	Dassault Systems Foundation, India
		Attended five Days FDP on Universal Humal Values in Education during 28thJuly to 1st Aug 2020	AICTE
		One Week STTP Online Workshop on "DIGITAL TRANSFORMATION & PEDAGOGIES" sponsored by AICTE Margdarshan Scheme and TEQIP III	Government College of Engineering Karad, Maharashtra & Walchand COE , Sangli,
5	Prof. S. A. Shinde	One day Workshop on "R Programming " on 9 November 2019	IIT Bombay
		One day Workshop on Linux on 23 August 2019	IIT Bombay



		Python Workshop for Teachers and Research scholars on 22 June 2019	IIT Bombay
		One Day Workshop on C and C++ held at NKO CET, Solapur.	IIT Bombay
		3 Days workshop on "Effective and Efficient Online Teaching in the Age of Corona A Hands" On 16th May 2020:"	IIT Bombay
		One day Workshop on "Industry 4.0" on 3rd Feb 2020	IIT Bombay
		One Week FDP On "Artificial Intelligence & Machine Learning Using Python" during 3rd feb to 7th feb 2020	IIT Bombay
		TEQIP-III sponsored One week Online FDP on "Industrial IOT's, Industry 4.0 and disruptive Technology on 5th May to 10th May 2020	DBATU
		Three Days workshop on Industry 4.0 at Sandipani Engineering College Latur sponsored by DBATU	DBATU

		One Week Online Faculty Development Program on LINUX organized by Sinhgad Academy of Engineering Kondhawa(BK), Pune-48 from 4th May to 10th May 2020 in association with IIT Bombay Spoken Tutorial	IIT Bombay
		Completed 8 week Course on AICTE - NITTT - Module 1 - Orientation Towards Technical Education and Curriculum Aspects	AICTE-NITTT
		Attended 3 Days Workshop on Online Learning Workshop for Faculty from 1 April to 3 April 2020	QASPIR
		3 Days workshop on Effective and Efficient Online Teaching in the Age of Corona A Hands On 16th May 2020	IIT Bombay
		Completed 6 Week Course on C for everyone: Programming Fundamentals from 25 April to June 4 2020	Coursera
6	Prof. S. A. Hiremath		



		Attended One Week STTP Online Workshop on "DIGITAL TRANSFORMATION & PEDAGOGIES" sponsored by AICTE Margdarshan Scheme and TEQIP III during 10th August to 15 August	AICTE
		Attended Webinar series -"To Guide Students to Select Meaningful Engineering Projects" on 20 June 2020	Dassault Systems
		Attended Webinar: "Application of AI and ML in Core Engineering" on 8 June 2020	Dassault Systems
		Attended webinar on "Career opportunity for engg and future jobs post Coid -19"	Mr.Pratap Sanap, PSL
7	Prof. A. R. Chinchawade	Training on Basics of COVID - 19 on 27 April 2020	DIKSHA Department of Personnel & Training

		Attended 17 Sessions of IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs from 28th April to 22nd May 2020 during COVID-19 nationwide lockdown.	Institution's Innovation Council (IIC)
		3 days online workshop on "Education 4.0" organised by IQAC, Atharva College of Engineering held on 28th - 30th April 2020.	Atharva College of Engineering, Malad West, Mumbai



		A webinar on “Importance of Association with Professional Societies for Outcome -Based Education” organized by Walchand College of Engineering, Sangli, Maharashtra under the Margdarshan Scheme of AICTE, New Delhi on Thursday, 30 April 2020, 2.00pm to 3.00pm.	Walchand College of Engineering, Sangli
		A Five day FDP on “IPR Awareness and Patent Prosecution” Department of Information Technology, CMR Engineering College, Hyderabad from 06.05.2020 to 10.05.2020 .	CMR Engineering College, Hyderabad
8	Prof. M. B. Patil	Programming for Everybody (Getting Started with Python)	Coursera
		Python Data Structures	Coursera
		Fundamentals of Scalable Data Science	IBM with collaboration of coursera

		Enhancing Research and Consultancy Skills	Rajaram babu Institute of Technology, Rajaram nagar
		Industrial IOTs, Industry 4.0 and Disruptive Technologies	TEQIP-III, DBATU LONERE
		How to get research grant from UGC AICTE	Mahatma Gandhi university katyam
		Artificial Intelligence FDP	CMR Engineering College, Hyderabad
		Research technique and Challenges	Shivajirao S. Jondhle College of Engineering & Technology
		Three days online Faculty Development Program on “Data Science using R”, dated from 28th May 2020 to 30th May 2020.	K. K. Wagh Institute of Engineering Education and Research , Nashik



		DBATU TEQIP -3 Sponsored session on "EduMeet & Panel Discussion" on " Education & Industr " on 20th May 2020.	DBATU in associati on with KBPCOE , Satara
		Online workshop on Universal Human Values on the theme "Inculcating Universal Human Values in Technical Education" during 23-27 July, 2020 as organized by All India Council for Technical Education(AICTE)	AICTE, Delhi
		3 Days workshop on "Effective and Efficient Online Teaching in the Age of Corona A Hands On Workshop" on 23rd May 2020	IIT Bombay
		3 days online workshop on "Education 4.0" organised by IQAC, Atharva College of Engineering held on 28th - 30th April 2020.	Atharva College of Engineering, Malad West, Mumbai
9	Prof. Z. M. Shaikh	Data Analysis 10/6/20	Udemy

		One day Workshop on Linux on 23 August 2019	IIT, Bombay
		One day Workshop on "R Programming " on 9 November 2019	
		One Week FDP On "Artificial Intelligence & Machine Learning Using Python" during 10th feb to 14th feb 2020 - Organized & Attended	DBATU
		Workshop on Mental Health During Covid-19 6 th – 10 th May 2020	DBATU and J D College of Engg. And Mgmt , Nagpur
10	Prof. V. B. Binage	C Programming Quiz 8 th May 2020	Garada Inst. Of Technology, Ratnagiri
		TEQIP-III Sponsored One week FDP on Industrial IoTs, Industry 4.0,& Disruptive Technologies 5 th -10 th May 2020	DBATU



		Effective Proposal Writing for Research and Funding 13 th – 18 th May 2020	Sandip Institute of Technology and Research , Nashik
		Technical Teachers Training 22 nd – 27 th May 2020	Vidyavardhini Inst. Of Technology, Pal
		International Seminar (Webinar Series) on Strategic Roadmap Towards Industry 4.0 1 st -7 th June 2020	NallaMuthu Gounder Mahalingam College, Tamilnadu
		Game Pedagogy in Outcome Based Education 11 th -12 th June 2020	K C College of Engg and Mgmt Studies and Research , Thane
		IOT and its Applications in Industry 8 th -12 th June 2020	Ramrao Adik Institute of Technology, Nerul, Mumbai
11	Prof. G. N. Nadargi	Conducted workshop session for 10th and 12th Teachers for using "e platform for education"	NKOCET

		Organized Session on "Opportunities in Cybersecurity" for CSE Department students 7th July 2020	CSESA, CSE Dept
		One day Workshop on "R Programming " on 9 November 2019	IIT Bombay
		One day Workshop on Linux on 23 August 2019	IIT Bombay
		Python Workshop for Teachers and Research scholars on 22 June 2019	IIT Bombay
		Completed Programming for Everybody (Getting Started with Python) 4 weeks Course in Coursera 6 th April to 2 nd May2020	Coursera
		Two day workshop on Smart Administrative Work by Amol Bhokare 11th, 12th May 2020	Latthe Education Society's Polytechnic, Sangli



		Conducted workshop session for 10th and 12th Teachers for using "e platform for education"	NKOCET
12	Prof. P. S. Kankal	One day Workshop on Linux on 23 August 2019	
		Python Workshop for Teachers and Research scholars on 22 June 2019	
13	Prof. R. U. Shinde	One day Workshop on "R Programming " on 9 November 2019	IIT, Bombay
		One day Workshop on Linux on 23 August 2019	
		Python Workshop for Teachers and Research scholars on 22 June 2019	

		5 days STTP on "Internet of things and its applications" conducted by Department of Instrumentation Engineering RAIT on 8-12 June	Department of Instrumental Engineering, RAIT Navi Mumbai
		One day workshop on Effective and Efficient Online Teaching in the Age of Corona 16th May	IIT, Bombay

12) ACTIVITIES OF CSE STUDENT ASSOCIATION (CSESA)

a) **CSESA Committee:** Computer Science and Engineering Student Association (CSESA) is formed for co-curricular and extra-curricular development of students. Following students were elected as office bearers of CSESA for the academic year 2019-20

Designation	Name of Students	Class
President	Ghule Gaurav Brahmadev	T.E-A
Vice President	Chintanpalli Kishor	T.E-A
Secretary	Gaikwad Rushikesh Sanjay	T.E-A
Treasurer	Kamatkar Mayuri Arun	T.E-B



Event Co-coordinator	Tumma Rohan Ajay	T.E-B
Joint Secretary	Waychal Smit Ramesh	S.E-A
Event Administrator	Ritika Nagnath Nora	T.E-B

13) SOCIAL ACTIVITIES:
SE, TE, BE & ME students of our department donated 100 bottles of blood in two Blood Donation Camps organized by our institute in the current academic year in association with NSS.

(Dr. S.D. Raut)
 Head,
 Department of Computer Science and
 Engineering

b) Activities conducted:

Sr. No.	Activities Conducted	Date
1.	Digital treasure Hunt	10/03/2020
2.	Extempore	10/02/2020
3.	Memory Challenger	05/02/2020
4.	Poster Presentation	10/08/2019
5.	Teachers Day	05/09/2019
6.	Waste in Use	11/09/2019
7.	Fresher Party	13/09/2019
8.	Blind C Programming	10/10/2019
9.	Model Making	10/10/2019
10.	Essay Writing Competition-“My Maharashtra”	12/01/2019
11.	Poster Presentation Competition on occasion of “Marathi Bhasha Sanvardhan Pandharwada”	12/01/2019
12.	Guest Lecture on “Industrial Revolution 4.0 and IOT” by Dr. Popatrav Mohite, Chairman CMMA Associates, and Ranjit Shinde M. D. Soft Infology Solutions Pvt. Ltd.	16/02/2019





(Prof. S. S. Dhotre)
H.O.D.

It gives me immense pleasure to present the annual report of our department, which includes various achievements and activities executed during the academic year 2019-20. It is the TEAM work that has made the difference. Personal and psychological counseling sessions by Mrs. Alka Kakade were arranged for all new entrants in the department. The counseling sessions have helped the students to cope up with stress & time management.

At the starting of odd as well as even semester, orientation sessions were conducted in each class by the Head of department, training & placement coordinator, GATE & career counseling coordinator, industrial training coordinator and the class coordinators. The orientation sessions have helped the students to understand the academic, co-curricular and extra curricular requirements and the activities to be performed by the students, so that they are well prepared for placements and other career opportunities by the time they enter the final year.

1) ACADEMIC PERFORMANCE (ACADEMIC YEAR 2018-19) BE (E&TC)

- Class result: 94.44%
- Ms. Suryawanshi Asmita Dilip stood 5th in Solapur University
- Ms. Suryawanshi Nikita Mahesh stood 7th in Solapur University
- Ms. Umbarje Ravina Girmallappa stood 10th in Solapur University
- The first five rankers of BE are as follows.

Rank	Student Name	% Marks
1	Ms. Suryawanshi Asmita Dilip	86.51
2	Ms. Suryawanshi Nikita Mahesh	85.41
3	Ms. Umbarje Ravina Girmallappa	84.6
4	Ms. Pinjar Simran Pirsra	82.83
5	Mr. Holimath Pooja Ishwarayya	82.57

TE (E&TC)

- Class result: 97.92%
- The first five rankers of TE are as follows.

Rank	Student Name	% Marks
1	Ms. Uttarkar Aditi Kiran	82.24
2	Ms. Ghule Mangal Mahadev	78.61
3	Ms. Chittar Sandhya Venkatesh	75.45



4	Ms. Vernekar Shruti Nagraj	74.73
5	Ms. Kulkarni Shwetambari Gajanan	74.48

SY (E&TC)

- Class result : 98.8%
- The first five rankers of SE are as follows

Rank	Student Name	% Marks
1	Ms. Chavan Snehal Karan	87
2	Ms. Survase Araf Sumant	86
3	Ms. Patange Aishwarya Harish	86
4	Ms. Ratan Shankar Chanshetti	85
5	Ms. Yalgunde Nikita Sanjay	85

Offer for MS Abroad:

In the academic year 2019-20, Mr. Rizwan Irfan Patel has attended conference on 18th February 2020 at Pune on the topic "Opportunities in Higher Education at France". He got award for winning quiz, and offer for MS program in **ESME Sudriya School of Engineering, France.**

Best outgoing student:

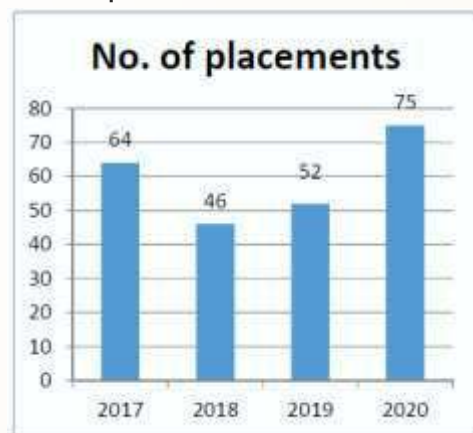
Based on the academic performance, co-curricular activities and extracurricular activities, Ms. Uttarkar Aditi Kiran has been selected as the best outgoing student of ENTC department in

the academic year 2019-20.

2) TRAINING & PLACEMENT

The Training & Placement cell is taking utmost care for the placements. Various activities are conducted in a planned manner, which are as follows.

- Pre- placement training is imparted to all BE students on general aptitude and interview techniques.
- Special classes are conducted for TE students on general aptitude and soft skills by external agencies.
- For overall personality development of students, additional lectures on soft skills and aptitude are included in regular time-table.
- Well planned company specific trainings are arranged before every drive. As a result, total 76 students of BE (E&TC) have been placed in different multinational and core companies.



3) DEPARTMENT ADVISORY BOARD (DAB)

DAB has been formed in this year and the aim of DAB is to take review of the curricular, co-curricular, extra curricular activities and student internships and placements and to enhance the quality of these activities.



Members of DAB committee are as follows

Sr. No	Name	Designation & Company/ Institute	Role
1	Prof. S. S. Dhotre	NKOCET, Solapur	Chairman
2	Prof. Roshan Pushpan	NKOCET, Solapur	Secretary
3	Mr. P. Chandrasekar	Director, Technique Design Group, Secunderabad	Member
4	Mr. Pradip Dhage	Manager, M. I. T. World Peace University TBI, Pune	Member
5	Mr. R. M. Deshmukh	Head – IT Dept., Volkswagen	Member
6	Mr. Amar Pol (Alumni)	Senior Embedded Engineer, John Deere	Member
7	Mr. Ravi Shidore	Director, Shidore Microsys, Pune	Member
8	Dr. Satish Ket	HOD (CSE), R. G. I. T. , Andheri (W), Mumbai	Member
9	Dr. M. M. Sardeshmukh	HOD (ENTC), J. S. P. M. , Narhe, Pune	Member
10	Mr. Pushpsheel Salunkhe	Director, PMS Robotics, Pune	Member

All faculty members of the department are also members of DAB.

4) FACULTY ACHIEVEMENTS

This year Prof. Roshan Pushpan, Dr.

P. D. Bahirgonde, Prof. A. A. Kshirsagar & Prof. R. R. Shriram secured Top 5% rank (Elite + Gold certificate) in “Accreditation and Outcome Based Learning” course conducted by IIT Kharagpur, NPTEL.

This year Prof. A. I. Nadaf has received “Best Faculty Member Award” of E&TC dept.

5) WORKSHOPS, SEMINARS, STTP ATTENDED BY FACULTY MEMBERS

1. Faculty members have enthusiastically attended different workshops, STTPs and FDPs which are given below.

I) Prof. S. S. Dhotre

Faculty Name	Course/Workshop/S TTP/ FDP attended	Organized by
Prof. S. S. Dhotre	ATAL Online FDP on “Data Sciences” (30 th April to 4 th May 2020)	DBATU, Lonere
	ATAL Online FDP on “Internet of Things” (25 th – 29 th May 2020)	DBATU, Lonere
	Online course on “Examination Reforms” (15 th -18 th April 2020)	AICTE
	Online Course on “Education 4.0” (28 th – 30 th April 2020)	Atharva College of Engg., Mumbai
	FDP on “Statistical Inference and Linear Algebra” (21 st – 25 th Dec 2019)	DBATU, Lonere
	NPTEL online course “NBA Accreditation and Teaching - Learning in Engineering (NATE)” (Jan-Apr 2020)	IISc, Bangalore



ii) Dr. P. D. Bahirgonde

Course/Workshop/STTP/ FDP attended	Organized by
STTP on “Theory, Operation and Applications of Transducers & Actuators in Industry” (30 th Dec- 3 rd Jan. 2020)	NITTTTR, Kolkatta
One day workshop on “Linux” (23 Aug 2019)	IIT, Bombay
Online “Effective and Efficient Online Teaching in the Age of Corona A Hands On Workshop” (17 th May 2020)	IIT, Bombay
Online 4 week course on “Hardware Description Languages for FPGA Design”	Coursera platform
Online 8 week course “Digital Systems: From Logic Gates To Processor”	Coursera platform
Online 7 week course “Programming for Everybody (Getting Started with Python)”	Coursera platform
Online STTP on “MATLAB based Teaching- Learning in Mathematics, Science and Engineering” (18 th - 22 nd May 2020)	D. Y. Patil deemed university in association with DesignTech
Online FDP on “Data science using Python” (12- 14 th June 2020)	Smt. Kasturbai Walchand College, Sangli
International online FDP on “Future Advancements and applications of IoT” (12 th -14 th June 2020)	Sandip Institute of Engg. And Management , Nashik

iii) Prof. S. S. Joshi

Course/Workshop/STTP/ FDP attended	Organized by
FDP on “AI & ML using Python” (3 rd – 7 th February 2020)	NKOCET, Solapur
Online training on “Arduino” (1 st – 6 th May 2020)	JNEC, Aurangabad organized by, IITB
Online FDP (TEQIP-III SPONSORED) on “Industrial IoTs, Industry 4.0 & Disruptive Technologies” (5 th -9 th May 2020)	DBATU, Lonere
Online STTP on “Sensors, IoT & Machine Learning” (1 st – 5 th June 2020)	KJSCE, Mumbai
Online FDP on “Engineering Education & the Industry: A Post Covid-19 Perspective” (1 st – 5 th June 2020)	RGIT, Mumbai
Online workshop on “Future Advancement and Applications of IOT ” (12 th – 14 th June 2020)	Sandip foundation's , Sandip Institute of Engineering and Management , Nashik
Online 7 week course on “Programming for Everybody (Getting Started with Python)”	Coursera platform
NPTTEL online course “NBA Accreditation and Teaching -Learning in Engineering (NATE)” (Jan- Apr 2020)	IISc, Bangalore



iv) Prof. A. A. Kshirsagar

Course/Workshop/STTP/ FDP attended	Organized by
Workshop on “Online Teaching on Bodhitree”	IIT, Bombay
One day workshop on “V - Labs” (11 th October 2019)	COEP Pune and WIT Solapur
One Day Main Workshop “C and CPP” (29 th Feb. 2020)	IIT, Bombay
Online 4 week “Python Programming Essential” course	Coursera platform
Online STTP on “Internet of Things” from (1st – 7 th June 2020)	Aptronix Technologie, Noida-Delhi NCR in association with AGPIET, Solapur
NPTEL online course “NBA Accreditation and Teaching -Learning in Engineering (NATE)” (Jan - Apr 2020)	IISc, Bangalore

NPTEL online course “NBA Accreditation and Teaching -Learning in Engineering (NATE)” (Jan-Apr 2020)	IISc, Bangalore
One Day Main Workshop “C and CPP” (29 th Feb. 2020)	IIT, Bombay
Online “Effective and Efficient Online Teaching in the Age of Corona A Hands On Workshop” (17 th May 2020)	IIT, Bombay
Workshop on “Online Teaching on Bodhitree”	IIT, Bombay
Online course “Introduction to the Internet of Things and Embedded Systems”	Coursera platform
Online FDP on “Industrial IoTs, Industry 4.0 & Disruptive Technologies” (5 th -10 th May 2020)	DBATU, Lonere
Online FDP on "Research, Funding Projects & IPR" (7 th -10 th May 2020)	K. C. College of Engg. & Mgmt. Studies & Research, Thane

v) Prof. U. A. Bongale

Course/Workshop/STTP/ FDP attended	Organized by
Online course on “LaTeX101x: LaTeX for Students, Engineers, and Scientists” (24 th September to 2 nd December 2019)	IIT, Bombay
AICTE FDP “Digital Signal Processing Algorithms: Optimization and Implementation” (2 th – 7 th Dec 2019)	DKTE, Ichalkaranji

vi) Prof. P. P. Kulkarni

Course/Workshop/STTP/ FDP attended	Organized by
One day workshop on “Linux” (23 rd Aug 2019)	IIT, Bombay
Workshop on “Online Teaching on Bodhitree”	IIT, Bombay
NPTEL online course “NBA Accreditation and Teaching -Learning in Engineering (NATE)” (Jan-Apr 2020)	IISc, Bangalore
One Day Coordinators Workshop “Arduino a Course in the IoT Series” on (18 th January 2020)	IIT, Bombay



Online AICTE recognized FDP on “Cloud, Fog Computing” (14-18 April 2020)	NITTTR Chandigarh
AICTE recognized Online FDP on “Internet of Things” (15-19 April 2020)	NITTTR Chandigarh
Online “Effective and Efficient Online Teaching in the Age of Corona A Hands On Workshop(23 rd May 2020)	IIT, Bombay
Online ATAL STTP on “Internet of Things” (25-29 May 2020)	DBATU, Lonere
Online AICTE recognized FDP on “Technological Interventions using Wireless Communication” (18- 22 May 2020)	NITTTR Chandigarh
Online FDP on “IoT & its Application in Industry” (8-12 June 2020)	RAIT, Mumbai

vii) Prof. Roshan Pushpan

Course/Workshop/STTP / FDP attended	Organized by
Workshop on “Executive Leadership Program” from (27 th -29 th February 2020)	DBATU, Lonere
Online “Effective and Efficient Online Teaching in the Age of Corona A Hands On Workshop(23 rd May 2020)	IIT, Bombay
NPTEL online course “NBA Accreditation and Teaching -Learning in Engineering (NATE)” (Jan-Apr 2020)	IISc, Bangalore

Online FDP on “Game Padagogy in Outcome Based Education” (11 th - 12 th June 2020)	K C College of Engg. and Management studies and Research, Thane
Online FDP on “Exploring Emerging dimensions of Electronics (5 th -9 th June 2020)	Department of E&TC , St. John College of Engg. and Management, Palghar
Online FDP on “Advances and Research Opportunities in E&TC Engineering” (10 th -14 th June 2020)	Department of E&TC , SVERIs College of Engineering , Pandharpur

viii) Prof. R. S. Bakare

Course/Workshop/STTP / FDP attended	Organized by
Workshop on “Online Teaching on Bodhitree ”	IIT, Bombay
One Day Main Workshop “C and CPP” (29 th Feb. 2020)	IIT, Bombay

ix) Prof. A. A. Chandanshive

Course/Workshop/STTP/ FDP attended	Organized by
STTP on "Research Methodology - Techniques & Softwares" (11 -15 Nov 2019)	KBP, Satara
FDP on "Artifi cial Intelligence and Machine learning using Python" (10 th - 14 th Feb 2020)	DBATU, Lonere
One Day Main Workshop “C and CPP” (29 th Feb. 2020)	IIT, Bombay



Online 9 week course “Image and Video processing: From Mars to Hollywood with a Stop at the Hospital ”	Coursera platform
NPTEL online course “NBA Accreditation and Teaching - Learning in Engineering (NATE)” (Jan -Apr 2020)	IISc, Bangalore
Online “Effective and Efficient Online Teaching in the Age of Corona A Hands On Workshop(23 rd May 2020)	IIT, Bombay
NPTEL 12 Weeks online course,” Biomedical Signal Processing” (Jan -April 2020)	IIT Kharagpur

x) Prof. R. R. Shriram

Course/Workshop/STTP/ FDP attended	Organized by
AICTE 8 week online FDP on “Module 1- Orientation Towards Technical Education And Curriculum Aspects” (2 nd March to 27 th April 2020)	NITTT
Online 7 week course on “Programming for Everybody (Getting Started with Python)”	Coursera platform
Online 6 week course on “Crash Course on Python”	Coursera platform
Online 7 weeks course on “Python Data Structures”	Coursera platform
Online course on “Introduction to Data Science in Python”	Coursera platform
Online “Effective and Efficient Online Teaching in the Age of Corona A Hands On Workshop(23 rd May 2020)	IIT, Bombay
Workshop on “Online Teaching on Bodhitree”	IIT, Bombay
One day workshop on “Linux” (23 Aug 2019)	IIT, Bombay
One day workshop on “Scilab” (4 th May 2020)	IIT, Bombay

xi) Prof. S. R. Mulmane

Course/Workshop/STTP / FDP attended	Organized by
AICTE 8 week online FDP on “Module 1- Orientation Towards Technical Education And Curriculum Aspects” (2 nd March to 27 th April 2020)	NITTT
Online FDP on “ARDUINO” (25 th -30 th April 2020)	JSPM’s RSCOE In Association with ISTE Student Chapter And Spoken Tutorial, IIT Bombay
Online FDP on “Signal Image and video processing : A practical approach” from (26-30 May 2020)	Govt. College of Engineering, Karad under TEQIP- III
FDP on “Cyber Forensic and Cyber Security” (15 th -19 th June 2020)	Dept of CSE, G Narayanamm a Institute of Technology & Science in collaboration with Indian services
Online FDP on Modern Educational Tools and Pedagogical Practices for Online Teaching (21th– 25 th June 2020)	Vidyalankar Institute of Technology’s Department of First Year Engineering, Mumbai
Workshop on “Online Teaching on Bodhitree”	IIT, Bombay



6) FDP CONDUCTED FOR FACULTY MEMBERS

1) One day workshop on “eSim” from IIT, Bombay was arranged on 21 September 2019. The coordinator for this workshop was Prof. R. S. Bakare and total 18 faculty members have attended this workshop.

2) FDP on “Mentor Graphics VLSI Tool: Frontend and Backend” from 19th June to 21st June 2020 was organized by dept. in association with Trident Techlabs, Pune. The FDP was coordinated by Dr. P. D. Bahirgonde.

3) Department has organized one day FDP on “Arduino” on 8th February 2020 conducted by IIT, Bombay. The FDP has been coordinated by Prof. P. P. Kulkarni.

4) One day FDP on “Special Topics in Industry Applications” on 3rd February 2020 sponsored by TEQIP DBATU, Lonere. The FDP has been coordinated by Prof. S. S. Dhotre.

7) INDUSTRY CONNECT a) STUDENTS INDUSTRIAL TRAINING

Industrial training helps to make our students industry ready by exposing them to newer technologies and engineering methodologies. Also it provides great platform to students for exposure of industrial atmosphere & ethics. Well planned industrial training has been conducted for TY students in various industries listed below.

Sr. No.	Name of Skill Development Course	Name of Expert	Agency
1	Communication Protocols for Embedded and Automation applications	Mr. Mohan Kondle	Vedam Lab
2	Project development life cycle with Java	Mr. Mohan Kondle	Vedam Lab

For second year students, skill development course as a part of industrial training was conducted.

Sr. No.	Name of Skill Development Course	Name of Expert	Conducting Agency
1	Advance Arduino	Prof.R. S. Bakare Prof. P. P. Kulkarni	Institute Faculty
2	Internet of things	Mr. Mohan Kondle	Vedam Labs, Solapur
3	Electronic s in IOT	Mr. Santosh Bhandaraka wathe	IOTY, Solapur

Zensar Technologies and Zensar Foundation launched employability skill development (ESD) program for training of fresh graduates towards better readiness for the industry. Department has signed MOU with Zensar Technologies to conduct ESD programs for the students. Zensar Technologies conducted screening test and 45 students shortlisted from T.Y E&TC for the ESD program. Under this program,



students are getting chance to learn different modules in software. The different modules like MySQL/SQL database, Software Testing (Manual Testing), Softskills, Aptitude and Career Guidance has been conducted.

This program will enhance the employability of students.

b) INDUSTRY SPONSORED LABORATORIES AND NEW INITIATIVES

The faculty members have been striving hard to strengthen industry connect. State-of-art laboratories have been established in the department by different multinational companies. These include Analog Integrated Circuits lab sponsored by Texas Instruments and eYantra Robotics laboratory sponsored by IIT, Bombay.

In this academic year PMS Robotics Centre of Excellence Lab has been set up. Under this lab, training and research activities are being carried out. Total 35 students from S.Y. and 30 students from T.Y completed their level – 1 training from PMS Robotics. Also an open source lab has been established in association with IIT, Bombay. This lab is established to promote open source softwares like Scilab, eSim, Python and Virtual labs

An electronic component library has been established in the department. This year 73 students borrowed the electronic components from library for practicing and enhancing their technical skills for their project work.

8) POST-GRADUATION ACTIVITY

Post Graduation in E&TC started from A.Y.

2013-14 with an intake capacity of 18. Uptil now 20 students have completed their Post-Graduation. In this academic year two students have completed their post-graduation.

9) Association of Electronics & Telecommunication Engineering Students (AEXS)

The department has student association, which provides platform for their overall development. Through AEXS, various extra-curricular activities were organized. The details of the activities performed are as follows-

Sr. No.	Activities conducted	Date
1	Gurupornima Celebration	16/07/2019
2	Guest lecture delivered by Mrs. Urmila Agarkar and Ms. Manasi Agarkar	23/07/2019
3	Kargil Vijay Divas celebration	26/07/2019
4	Independence Day Celebration	14/08/2019
5	Career Guidance session for competitive exam conducted by Mr. Buge from Unique Academy, Pune	23/08/2019
6	Fresher's day	25/08/2019
7	Teacher's Day	04/09/19 05/09/19
8	Engineer's day	13/09/19
9	Jal Shakti Program	13 th & 14 th September 2019



10	Guest lecture by Advocate & Judge of District Court on Traffic Rules, Fundamental Rights, Cyber Security & Ragging Act, Miscellaneous laws	18/01/2020
11	Poster Presentation	13/01/20
12	Technical Quiz Competition	08/02/2020

Office Bearers of AEXS are as follows

Name of Association Post	Name of Office Bearer
President	Ms. Salave Anuradha
Vice-president	Mr. Bhavarthi Swapnil & Ms. Todkari Sharddha
Secretary	Ms. Suravase Aarti
Treasurer	Ms. Jawale Amruta
Head Technical Committee	Ms. Chavan Snehal & Ms. Yalgunde Nikita
Cultural Head	Ms. Yalgunde Ankita & Ms. Patil Paratiksha
Advisory Committee Head	Ms. Potdar Sneha & Mr. Mote Kaustubh
Info Gallery Head	Ms. Gurav Gayatri & Ms. Karachagoankar Shradha

4) CO-CURRICULAR COURSES & WORKSHOPS ARRANGED FOR STUDENTS

The technology is rapidly changing

every now and then. On the contrary the university curriculum is updated after a few years. To fill the gap between the university curriculum and the industry requirements, lot of thrust is being given on co-curricular courses and workshops.

Following co-curricular courses and workshops were arranged for our students, so as to improve their skills and make them industry-ready.

Class	Resource Person	Workshop	Date
TE	Prof. U. A. Bongale	Spoken tutorial Scilab	28/07/19
	Sumit Kamble, Sofcon Technology, Pune	Automation Techniques	16/01/20
BE	Yashwant Chavan, Sofcon Technology, Pune	Embedded system	13/08/19
	Prof. R. R. Shriram	Spoken tutorial on Python	10/08/19
	Sumit Kamble, Sofcon Technology, Pune	Automation Techniques	16/01/20

NPTEL courses

A lot of enthusiasm was observed in the students for online courses from NPTEL. Students registered for different courses viz., Principles of Signals and Systems, Principles of Communication Systems-I, Programming in C++, Problem solving aspects and Python programming, Computer Networks and Internet Protocol, Introduction to Internet of things, Digital



Image Processing, Control System, Programming in JAVA, Digital Circuits, etc.

In this academic year, there were 710 enrollments from students for different NPTEL courses.

11) STUDENTS' AWARDS AND ACHIEVEMENTS

a) Drishti Online Contest on 14 August 2019

Every year our students are participating in this contest conducted by EdGate Technologies with Texas Instruments. This online contest has multiple choice question form based on basic subjects and few Texas IC's. In all, 70 students were present for this contest. Ms. Gayatri Ladda and Ms. Prajakta Bhandekar from T.Y.(E &TC) are the winners of the contest.

b) Following students have participated and won awards in different events.

Sr No	Name of Student	Event	Rank	Competition
1	Ankita Kashinat h Inde (BE)	Poster presentation	1 st	Orchitech 2020
2	Ashiwini Gole (BE)	Poster presentation	1 st	
3	Aditi Kiran Uttarkar (BE)	Techno Buzz	1 st	Orchitech 2020
4	Sandhya V. Chittar (BE)	Techno Buzz	1 st	
5	Afifa Ayaz Shaikh (BE)	Poster Presentation	3 rd	Orchitech 2020

6	Afifa Ayaz Shaikh (BE)	Treasure hunt	3 rd	Orchitech 2020
7	Brijesh Patange (TY)	Debugging	1 st	AXES, EXTC, Dept. NKOCET
8	Brijesh Patange (TY)	Treasure Hunt	Run ner up	AXES, EXTC, Dept. NKOCET
9	Brijesh Patange (TY)	Tech-Roadies	1 st	Orchitech 2020

12) CONTRIBUTION OF FACULTY MEMBERS IN VARIOUS DEPT. & INSTITUTE LEVEL ACTIVITIES

There has been active participation of our faculty members in various department level and institution level activities, which is evident from the following table.

Sr. No.	Name of Faculty	Department and Institute responsibilities
1	Prof. S. S. Dhotre	Senior Supervisor Solapur University, Member of Institute Innovation Cell, Coordinator of ARIIA, Member of Anti - Ragging Prevention Committee
2	Dr. P. D. Bahirgonde	PG coordinator, R&D coordinator, Women's Harassment Prevention Committee
3	Prof. S. S. Joshi	PTA coordinator
4	Prof. A. A. Kshirsagar	Robo Club coord inator, POE & Test coordinator



5	Prof. P. P. Kulkarni	Orchitech Institute Coordinator, Students Industrial Training coordinator, MOU coordinator, R&D member (Industry Connect), Expert lecture (industry) coordinator, CII coordinator
6	Prof. Roshan Pushpan	Alumni coordinator, Project coordinator, Orchitech Dept. coordinator, Visit coordinator, NAAC & NBA coordinator, Suggestion Box Incharge
7	Prof. R. S. Bakare	T&P coordinator, Cocurricular courses coordinator
8	Prof. A. I. Nadaf	Cultural Coordinator, Video recording coordinator, Apprend Coordinator, Newsletter coordinator
9	Prof. U. A. Bongale	Spoken Tutorial coordinator
10	Prof. A. A. Chandanshive	Library coordinator, Career counselling coordinator, R&D coordinator (Incubation), Diploma Connect coordinator, GATE coordinator, AEXS coordinator
11	Prof. R. R. Shriram	Sports Activity coordinator, Alumni coordinator NPTEL coordinator, Time table coordinator

12	Prof. S. R. Mulmane	Dept. Library coordinator, Alumni coordinator, Dept. Website Coordinator, Dept. Archives coordinator
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13) CO-CURRICULAR COURSES & WORKSHOPS CONDUCTED FOR VARIOUS POLYTECHNIC STUDENTS

Following co-curricular courses & workshops were conducted by our faculty members for various polytechnic colleges.

Sr No	Name of Faculty/ Staff	Workshop conducted	Name of Poly.
1	Prof. A. A. Kshirsagar & Prof. S. R. Mulmane	PCB Design Workshop (19/01/2020)	GP, Solapur
2	Prof. R S Bakare & Prof. P. P. Kulkarni	Arduino workshop (28 & 29 th January 2020 & 01/02/2020)	S.E.S. Polytechnic, Solapur
3	TEQIP, DBATU Lonere	Special Topics in Industry Application (03/02/2020)	SVIT, Solapur
4	Prof. R S Bakare	Arduino workshop (18/01/2020)	SVSMD's Polytechnic, Akkalkot
5	Prof. R S Bakare & Prof. P. P. Kulkarni	Arduino workshop (07/01/2020)	GP, Osmana bad



4) EXPERT LECTURES BY EMINENT PERSONALITIES FROM VARIOUS

Students were exposed to the most recent developments in technology through expert talks by different experts from industry. The details are as follows.

Class:- S.Y.			
Sr. No.	Resource Person / Institute	Date	Topic
1	Mr. Chandrasekhar, Director, Technique Design Group, Secunderabad	13/07/2019	Robotics
2	Mr. Amar Pol, Senior Embedded Engineer, John Deere	13/07/2019	Career opportunities in Embedded Domain
3	Dr. Ramesh Nishank, Union Minister for HRD	22/08/2019	Leadership Talk Series – Innovation for Resurgent India
4	Mr. Chittaranjan Mahajan Director, Dolphin Labs, Pune	14/09/2019	Opportunities for Electronics Engineers
5	Mr. Chittaranjan Mahajan Director, Dolphin Labs, Pune	14/09/2019	Amhi Sare Circuit
6	Mr. Santosh Bhandarkawathe, IOTY, Solapur	21/09/2019	Introduction to IoT

7	Ms. Tejashri Parurkar Research Scholar	18/01/2020	Career Opportunities after MS
8	Ms. Shweta Mhamane, Design Engineer, Sankalp Semiconductors	22/02/2020	Opportunities in VLSI

Class:- T.Y.			
Sr. No.	Resource Person / Institute	Date	Topic
1	Mr. Mohan Kondale, Director, Vedam Labs, Solapur	09/07/2019	Guidance for Internship test
2	Mr. Chittaranjan Mahajan Director, Dolphin Labs, Pune	14/09/2019	Amhi Sare Circuit
3	Mr. Santosh Bhandarkawathe, IOTY, Solapur	21/09/2019	IoT and Cloud services

Class:- B.E.			
Sr. No.	Resource Person / Institute	Date	Topic
1	Mr. Yashwant Chavan Sofcon Industry, Pune	13/08/2019	Basics of Embedded C and Hands on Raspberry Pi
2	Mr. P. R. Sivakumar, CEO, Maven Silicon	21/08/2019	VLSI design using Verilog HDL



3	Mr. Vishal Adheli Software developer, V-pace technology, Solapur	26/08/2019	Java script & Node JS
4	Mr. Chittaranjan Mahajan Director, Dolphin Labs, Pune	14/09/2019	Amhi Sare Circuit

15) EXPERT LECTURES DELIVERED AND PRACTICALS CONDUCTED BY OUR FACULTY MEMBERS FOR VARIOUS POLYTECHNIC COLLEGES

Following faculty members have contributed in development of the students of other institutes by delivering expert lectures.

Sr. No	Name of faculty	Topic	Name of Poly. college
1	Prof. S. S. Joshi	VLSI Design (07/01/2020)	GP, Solapur
2	Prof.P. P. Kulkarni	Radar & Microwave Engg. (30/08/2019)	S.E.S Poly., Solapur
3	Dr.P. D. Bahir-gonde	VLSI Design (17/02/2020)	GP, Osma-nabad

Following is the list of Practicals conducted for polytechnic colleges

Sr No	Name of Faculty/ Staff	Practicals conducted	Name of Poly.
1	Prof.S. R. Mulmane	Control systems (19/08/19)	GP, Solapur
2	Prof.P. P. Kulkarni	Microwave Engg. (30/08/19)	
3	Prof. Roshan Pushpan	Computer Hardware and Networking (30/01/2020)	
4	Prof. A. I. Nadaf	Optical Communication (30/01/2020)	
5	Prof. S. S. Joshi	VLSI Design conducted (30/01/2020)	
6	Dr. P. D. Bahir-gonde	VLSI design (27/02/2020)	SVIT, Solapur
7	Prof. R S Bakare	Consumer Electronics (27/02/2020)	
8	Dr. P. D. Bahir-gonde	VLSI Design (17/02/2020)	GP, Osma-nabad

16) MOU

This year MOU with Technique Design Group, Secunderabad has been signed w.e.f. 13th July 2019 to 12th July 2022. Under this MOU various activities like Expert sessions and Sponsored projects will be conducted. Also an MoU has been signed with PMS Robotics, Pune on 21st Jan 2020. PMS Robotics has established a centre of excellence in the



department. Students will be trained by PMS Robotics, Pune on Robotics automation, Python Programming, Artificial Intelligence and Internet of Things. Also Students will get an opportunity to work on industry problems. An MoU has also been signed with Government Polytechnic, Osmanabad w.e.f. 1st Sept 2019 to 30th Aug 2021. Under this MoU, department will extend curricular activities and lab facilities with students of Government Polytechnic, Osmanabad.

17) ACTIVITIES DURING LOCKDOWN PERIOD

The current situation has led to closing down of schools, colleges and universities following the spread of Covid-19. This has further affected the students and aspirants preparing for their future. But we believe that learning should not stop, hence physical education has moved to the virtual mode. Online classes have been conducted to continue the education even when the college is closed. Along with these online internships, informative webinars are arranged for students.

i) A live webinar on “Industrial Robotics: Low Cost Automation – Need of Industry” was organized by the dept. on 9th June 2020. The resource person was Mr. Pushpasheel Salunke, Director PMS Robotics

ii) Online internship on “Internet of Things” was organized from 11th to 20th June. Total 33 students from FY and 59 students from other engineering colleges across Maharashtra and one student from Hyderabad has successfully completed

the internship.

iii) During lockdown period, online internships through Coursera platform is completed by all S.Y. and T.Y students.

iv) Various online courses, workshops, FDPs, STTP and training sessions have been successfully completed by our all faculty members.

v) Online proctor meetings are conducted by respective proctor teachers. Parents meet was conducted by HOD, class coordinators and T&P coordinator to make parents aware of placement activities and importance of PPW sessions.

vi) Students association AEXS has organized online competitions such as C, C++ Online Quiz competition, Poster Making (Lockdown Theme), Short Film Making (My lockdown Story) and Essay writing (My lockdown Story).

vii) Syllabus of practical subjects is covered using Virtual lab platform for all the subjects.

viii) Online presentations for Mini projects and final year projects are conducted by forming the panel of faculty members for evaluation.

ix) Video lectures are recorded by faculty members on important topics and made available to final year diploma students.

18) PARENT TEACHER ASSOCIATION (PTA)

PTA is a platform where two parents from each class and faculty members meet once in a semester for sharing achievements of department/students, various initiatives of dept. rules and



regulations and placement activities. Also it is a good interface between faculty, students and parents to put their problems and resolve the same.

Following is the list of PTA

Class	Name of Student	Parent Name
SE	Abhishek Kalshetti Sanket Phadtare	Mrs. Manjula Kalshetti Mrs. Vandana Phadtare
TE	Shripuram Nivedita Pratiksha Patil Shankar Patil	Mrs. Rajani Shripuram Mrs. Anita Patil Mrs. Vilas Patil
BE	Anuradha M. Kale Aditi K. Uttarkar Vaibhavi P. Humnabadkar	Mr. Mallinath Sopan Kale Mrs. Ranjana Uttarkar Mrs. Pallavi P. Humnabadkar

(Prof. S. S. Dhotre)

Head

Department of Electronics &
Telecommunication Engineering



Electrical Engineering Department



Prof. V.S. Shirwal

It gives me immense pleasure to put before you the Annual Report which includes various activities performed and the achievements during the academic year 2019-20 of our department.

1. ACADEMIC PERFORMANCE:

The students have shown excellent results in university examination. Result of S.E, T.E and B.E classes of April/May 2019 examination are as follows:

a) University & Class Ranks BE (Electrical)

Class Rank	Name of Student	Univer- sity Rank	Percen- tage
1	Bagban Shifa A.	1 st	85.00
2	Dhumma Nikita B.	2 nd	83.11
3	Barkade Aishwarya L.	3 rd	82.89
4	Badavane Vikram C.	4 th	80.07
5	Kairamkonda Bhavana Narasayya	4 th	80.04

TE (Electrical)

Class Rank	Name of Student	Univer- sity Rank	Percen- tage
1	Khairate Priya M.	4 th	83.50
2	Mhamane Smita A.	5 th	83.25
3	Pawar Ajay Prasad	8 th	81.50
4	Naiknaware Pradnya Ganesh	10 th	81.25
5	Jawale Prajwal T.	-	79.63

SE (Electrical)

Class Rank	Name of Student	CGPA
1	Dakhani Yaseen Khan Anwar Khan	9.18
2	Jadhav Shital Satish	9.17
3	Pudur Venugopal Narsing	9.02
4	Gaikwad Ankita Prashant	8.96
5	Khamitkar Sanket Suryakant	8.8

c) Class wise Results:

S.E. (Electrical) – 82.66 %

T.E. (Electrical) – 74.60 %

B.E. (Electrical) – 93.94 %



d) GATE Result:

Sr. No.	Student Name	Marks	Gate Score
1	Ms. Futane Prerana A.	30.33	311
2	Mr. Vishal Anil Sathe	34.33	362
3	Mr. Balaji Jadhav	34.33	395
4	Mr. Bolabattin Azadkumar G	38.33	413
5	Mr. Shaikh Jishan S.	35	370

2. STUDENT PLACEMENTS:

Sr. No.	Name of Company	No. of Students Placed
1	Wipro	01
2	Varroc Engineering	16
3	Qspider	07
4	Universal Education	05
5	Dhoot Transmission	07
6	Epic Research	03
7	Just Dial	02
8	Deen Dayal Upadhyay Grameen Kaushalya Yojna	01
9	Statistics Market Research Consulting Pvt. Ltd.	01

3. FACULTY PUBLICATIONS:

Vijaykumar S. Shirwal and Dr. Mahesh S. Chavan, "Efficient Implementation of Complex Matrix Inversion for LMMSE Decoder", International Journal of Computer Applications (IJCA) Volume -178, No. 20, pp 12-17, June 2019.

FACULTY ACHIEVEMENT:

- Prof. A. J. Mehta was awarded as best teacher of the department for academic year 2018-19 on the

occasion of Teachers day.

- Prof. Irfan Mujawar qualified GATE 2020 exam of Electrical department.
- Project guided by Prof. S. S. Shaha titled "Portable Refrigeration System for Vaccine Distribution for Remote Location" got the first prize in Avishkar university level project competition and Second Prize at 14th Maharashtra State Inter University Avishkar Research Convention: 2019-20.
- Project group under Prof. N. U. Gawali and Prof. D. D. Pawar participated in Smart India Hackathon (SIH) 2019 (hardware Edition) grand finale held on July 8 to 12, at the Nodal Centre of NIT Trichy.
- Prof. Irfan I. Mujawar and Prof. H. J. mane successfully completed the project "Comparison of AG with LT Network, HVDS, and Solar PV Pump of 11kV Nehrunagar Ag Feeder, Degaon, Solapur". This project is received from CTARA, IIT Bombay under Unnat Maharashtra Abhiyan (UMA) as a part of training on "Analysis of Infrastructure for Energized Irrigation". Project was executed from January to March 2020.
- Prof. V. S. Shirwal worked as a reviewer for springer international journal on Wireless Personal Communication.
- Prof. A. J. Mehta worked as a reviewer for Electrical Engineering –Archiv fur Elektrotechnik journal published by Springer.



5. FACULTY INTERACTION WITH OTHER INSTITUTES:

- Prof. V. S. Shirwal Organized & Conducted Solar Ambassador Workshop for 12th Science Students on 2nd October 2019.
- Prof. V. S. Shirwal judged a technical event organized by SSWP in Jan. 2020.
- Prof. V. S. Shirwal Organized webinar on Renewable Energy – Opportunities & Challenges Post COVID-19 in association with Spitzen Energy Solutions Pvt. Ltd. Pune on 17th June 2020.
- Prof. V. S. Shirwal Organized webinar on Skill Development in Renewable Energy sector in association with Spitzen Energy Solutions Pvt. Ltd. Pune on 10th May 2020.
- Prof. A. J. Mehta Conducted Guest Lecture on 'Applications of Electrical Machines' at G. P. Solapur on 6th September 2019.
- Prof. A. J. Mehta Conducted Guest Lecture on 'AC Machines' at BMP Solapur on 16th August 2019.
- Prof. A. J. Mehta Organized Technical Competition “Technovation” for TY Diploma students on 9th March 2020
- Prof. A. J. Mehta Coordinated & Conducted Solar Ambassador Workshop for 12th Science Students on 2nd October 2019.
- Prof. A. J. Mehta coordinated a webinar on Renewable Energy – Opportunities & Challenges Post COVID-19 in association with Spitzen Energy Solutions Pvt. Ltd. Pune on 17th June 2020.
- Prof. A. J. Mehta Organized a quiz on Basic Electrical Engineering for TY Diploma students on 1st June 2020.
- Prof. D. D. Pawar Conducted Guest Lecture on 'Power Quality' for TY students of G. P. Solapur on 9th August 2019.
- Prof. D. D. Pawar conducted Technical Competition “Technovation” for TY Diploma students on 9th March 2020.
- Prof. D. D. Pawar conducted Solar Ambassador Workshop for 12th Science Students on 2nd October 2019.
- Prof. I. I. Mujawar conducted an online workshop on “How to use Khan Academy App” for high school and junior college teachers on 16th and 17th April 2020.
- Prof. I. I. Mujawar organized a session on “Career Opportunities in Engineering” for the students of Social High School and Junior College, Solapur in February 2020.
- Prof. I. I. Mujawar conducted Solar Ambassador Workshop for 12th Science Students on 2nd October 2019.
- Prof. N. U. Gawali Arranged NITTTR, Kolkata Short Term Training Programme through ICT



Mode (On-Line) on “Theory, Operation and Applications of Transducers & Actuators in Industry (ICT17)” for Engineering faculty on 30th December 2019 to 03rd January 2020

- ▶ Prof. N. U. Gawali conducted Solar Ambassador Workshop for 12th Science Students on 2nd October 2019.
- ▶ Prof. N. U. Gawali Arranged webinar on “SCUBE Standard PLC Logic development for Automotive Industry” in collaboration with Sofcon India Pvt .Ltd for Engineering & Diploma students on 4th June 2020.
- ▶ Prof. H. J. Mane conducted Solar Ambassador Workshop for 12th Science Students on 2nd October 2019.
- ▶ Prof. V. Santoshkumar conducted Solar Ambassador Workshop for 12th Science Students on 2nd October 2019.
- ▶ Prof. S. S. Shaha conducted Solar Ambassador Workshop for 12th Science Students on 2nd October 2019.
- ▶ Prof. P. S. Patil conducted Solar Ambassador Workshop for 12th Science Students on 2nd October 2019.

6. INDUSTRY - INSTITUTE INTERACTION:

- a) **Testing And Consultancy Activity**
 i. **Project title: Analysis of capacitor installation on agricultural pumps**

This project is received from CTARA IIT Bombay. In the academic year 2017-18 capacitors were installed on 78 agricultural pumps on 11KV Nehrunagar Agricultural feeder. In the academic year 2018-19 technical analysis of capacitor installation is carried out. Status and health of capacitor is recorded. Attitude of farmers regarding capacitor is monitored. Coordinators for the project: Prof. Irfan I Mujawar and Prof. V. S. Shirwal

ii. **Project title: Energy audit of Laxmibai Bhaurao Patil Mahila Mahavidyalaya, Solapur**

Energy audit of Laxmibai Bhaurao Patil Mahila Mahavidyalaya, Solapur is conducted on 20th March 2019. Coordinators for the project: Prof. V.S. Shirwal and Prof. Irfan I Mujawar.

iii. Prof. Irfan I. Mujawar and Prof. H. J. mane successfully completed the project “Comparison of AG with LT Network, HVDS, and Solar PV Pump of 11kV Nehrunagar Ag Feeder, Degaon, Solapur”. This project is received from CTARA, IIT Bombay under Unnat Maharashtra Abhiyan (UMA) as a part of training on “Analysis of Infrastructure for Energized Irrigation”. Project was executed from January to March 2020

b) Sponsored Project:

Sr. No.	Project Title	Project Guide	Name of Sponsoring Agency
1	Solar System for Petrol Pumps in India	Prof. V. B. Bhosale	Ganraj Petroleum Osmanabd



2	Energy Audit & Solar System Design for Textile Mill	Prof. Ms. S. S. Shaha	Bura Textile Industry Solapur
3	Performance Analysis of Capacitor Installation for Enhancing Energy Efficiency of Agriculture Feeder	Prof. I. I. Mujawar	CTARA IIT BOMBAY
4	Design of Rooftop Solar System for Pump Industry.	Prof. I. I. Mujawar	Bhushan Industry Solapur
5	Electrical Power Monitoring & Protection by Using Real Time System for 3 Phase.	Prof. D. D. Pawar	SPAN Electrical, Solapur

c) All S.E. & T.E students have undergone 15 days of Industrial Training during winter vacation at various Industries.

The prominent industries are as follows:

1. Indian Railway DRM section
2. Kirloskar Ferrous Industry, Solapur
3. MSETCL
4. MSEDCL
5. Payal Pumps, Solapur
6. Raj Electricals, Osmanabad
7. Sidhanath Sugar Mill

d) During the Summer Vacation all the students of SE and TE have completed online courses as part of Internship/Industrial training with duration of 2 to 4 week. The courses are as follows

1. Electrical Power Systems
2. Python For Everybody

3. Solar Energy Basics
4. Electrical Autocad
5. Knockdown the Lockdown
6. Online Courses offered by TATA STEEL.

7. SHORT TERM COURSES / CONFERENCE/ WORKSHOPS ORGANISED / ATTENDED BY OUR FACULTY MEMBERS.

A) STTP/FDP ATTENDED

1) Following faculty members have attended a one-week Short Term Training Program through ICT Mode (On-Line) on "Theory, Operation and Applications of Transducers & Actuators in Industry (ICT17)" organized by NITTTR, Kolkata from 30 Dec 2019 to 3 Jan 2020.

- 1) Prof. V. S. Shirwal
- 2) Prof. C. B. Bagal
- 3) Prof. V. Santoshkumar
- 4) Prof. H. J. Mane
- 5) Prof. A. J. Mehta
- 6) Prof. V. B. Bhosale
- 7) Prof. N. U. Gawali
- 8) Prof. S. S. Shaha
- 9) Prof. P. S. Patil
- 10) Prof. D. D. Pawar
- 11) Prof. I. I. Mujawar

2) Following faculty members have attended One Week FDP on "Design and Development of Electric and Hybrid Electric Vehicle Technology" from 12-16 May 2020 organized by SAE INDIA, Western section and NKOCET.

- 1) Prof. V. S. Shirwal
- 2) Prof. V. Santoshkumar



- 3) Prof. H. J. Mane
 - 4) Prof. A. J. Mehta
 - 5) Prof. V. B. Bhosale
 - 6) Prof. N. U. Gawali
 - 7) Prof. S. S. Shaha
 - 8) Prof. P. S. Patil
 - 9) Prof. D. D. Pawar
 - 10) Prof. I. I. Mujawar.
- 3) All Electrical faculties have completed a course “Hands-on training on Solar Study Lamp Assembly” organized by IIT Bombay conducted from 1st May to 31st December 2019.
 - 4) Prof. S. S. Shaha attended One-week online training program on “Experience in Solar Energy: Challenges & Opportunities” from 8th to 13th June 2020 organized by PCCOE Pune.
 - 5) Prof. V. S. Shirwal, Prof. S. S. Shaha & Prof. V. Santoshkumar attended 5 days online STTP on “MATLAB based Teaching –Learning in Mathematics, Science and Engineering” from 18-22 May 2020 organized by Ramrao Adik Institute of Technology, Nerul, Navi Mumbai in collaboration with DigiTech System PVT Ltd., Mumbai
 - 6) Following faculty members have attended online One Week FDP on “Electrical Design contracting and energy bill calculation” from 9-11 May 2020 organized by RIT Sangli.
 - 1) Prof. V. Santoshkumar
 - 2) Prof. A. J. Mehta
 - 3) Prof. V. B. Bhosale
- 4) Prof. N. U. Gawali
 - 5) Prof. S. S. Shaha
 - 7) Prof. S. S. Shaha attended One Week FDP on “Effective use of ICT tools in Teaching Learning Process” from 8th – 13th June 2020 organized by Government Polytechnic Malvan.
 - 8) Prof. S. S. Shaha & Prof. V. Santoshkumar attended One week FDP on “Problem based learning” from 1st -5th June 2020 organized by JSPM Tathawade, Pune
 - 9) Prof. N. U. Gawali & Prof. V. Santoshkumar attended One Week FDP on “Artificial Intelligence & Machine Learning using Python” from 10-14 Feb 2020 organized by NKOCET Solapur
 - 10) Prof. H. J. Mane & Prof. P. S. Patil attended One Week FDP on “Renewable energy sources” from 18-23 Nov 2019 organized by SVPCOE Nagpur.
 - 11) Prof. N. U. Gawali & Prof. P. S. Patil attended One Week FDP on “BOSS Linux-UBUNTU Operating System” from 15-21 April 2020 organized by KBP Satara.
 - 12) Following faculty members have attended Three Days Online FDP on “Recent Development in Electrical Transmission & Distribution” from 28 to 30 May 2020 organized by Godavari College of Engineering & Polytechnic, Jalgaon.
 - 1) Prof. V. Santoshkumar
 - 2) Prof. A. J. Mehta
 - 3) Prof. V. B. Bhosale
 - 4) Prof. S. S. Shaha



- 13) Prof. S. S. Shaha, Prof. Irfan I. Mujawar, Prof. V. B. Bhosale & Prof. A. J. Mehta attended One Week FDP on “Implementation and simulation of Electrical Engineering Applications Using PLECS Tool” organized by Electrical and Electronics Engineering Department, VCE in Association with PLEXIM, Switzerland
- 14) Prof. V. B. Bhosale & N.U. Gawali attended 4 Day FDP on “Technology towards common man” from 10-13 June 2020, organized by Sri Manakula Vinayagar Engineering College.
- 15) Prof. V. B. Bhosale & N.U. Gawali attended 4 Day FDP on “Research opportunities in Electrical engineering” from 7-16 May 2020, organized by Government College of Engineering, Karad.
- 16) Prof. V. B. Bhosale attended 4 Day FDP on “Engineering education and Industry: A post COVID19 Perspective” from 1-6 June 2020 organized by Government College of Engineering Karad.
- 17) Prof. V. B. Bhosale attended 4 Day FDP on “Design of Solar PV system by using PVSyst software” from 9-13 June 2020 organized by Vaagdevi College of Engineering.
- 18) Prof. V. B. Bhosale attended 4 Day FDP on “Implementation of advanced optimization technique by using MATLAB” from 1-6 June 2020 organized by RIT, Sangli.
- 19) Prof. V. B. Bhosale attended One Week FDP on “Technical Teacher's Training” from 22-27 May 2020 organized by VVIT, Pal
- 20) Prof. V. B. Bhosale & Prof. V. Santoshkumar attended One Week FDP on “Industrial IoT, "Industry 4.0 and Distructive Technologies” from 05-10 May 2020 organized by DBATU-Lonere.
- 21) Prof. V. B. Bhosale attended One Week STTP on “Patenting for Innovations” from 25-29 May 2020 organized by Sanjivani College of Engineering Kopargaon.
- 22) Prof. Irfan I. Mujawar Completed One Week Faculty Development Program from 1st June to 5th June 2020 on the topic “Power Quality and Reactive Power Management” Organized by SIT College Yadrav in association with Clariant Power Systems Ltd.
- 23) Prof. D. D. Pawar attended one Week FDP on “Data Sciences” from 30 April to 4 May 2020 organized by DBATU Lonere.
- 24) Prof. D. D. Pawar attended one Week FDP on “Internet of Things(IoT)” from 25-29 May 2020 organized by DBATU Lonere.
- 25) Prof. V. Santoshkumar attended one Week FDP on “Next Generation Electronics and computer Networks” from 2-6 June 2020 organized by Bheemna Khandre Institute, Bhalki.
- 26) Prof. V. Santoshkumar attended one Week FDP on “Effective proposal writing for research and



- funding" from 13-18 May 2020 organized by Sandip Institutes of technology & research centre Nashik.
- 27) Prof. V. S. Shirwal attended MHRD IIC innovation series of 17 sessions.
- 28) Prof. V. S. Shirwal organized a FDP on Mentor Graphics VLSI tool: Backend and Frontend Design – A Hands on Approach by Trident TechLabs Pvt. Ltd., Pune
- 29) Prof. V. S. Shirwal attended International FDP on “Future Advancements and applications of IoT” from 12 to 14 June 2020 arranged by Sandip foundation's Sandip Institute of Engineering and Management, Nashik.
- 30) Prof. V. S. Shirwal attended one week AICTE FDP on “Statistical Inference and Linear Algebra” organized by DBATU, Lonere from 21 to 25 December 2019.
- 31) Prof. V. S. Shirwal attended three days AICTE Online Course on Examination Reforms organized by AICTE New Delhi from 28th to 30th April 2020.
- 32) Prof V. S. Shirwal organized one week “Student Excellence and Learning program (SELP)” by Art of Living, Bangalore through DBATU, Lonere from 22nd July to 26th July 2019.
- 33) Prof. V. S. Shirwal attended three days FDP on “Data science using Python” organized by Smt. Kasturbai Walchand College .Sangli from 12th June to 14th June 2020.
- 34) Prof. V. S. Shirwal attended online one week FDP on Moodle in association with Spoken Tutorial IITB an initiative of NMEICT, MHRD, Govt. of India organized by Willingdon College, Sangli from 23rd May to 29th May 2020.
- 35) Prof. H.J. Mane Attended three-days workshop on “Online Learning Workshop” on 1-3 April 2020 organized by QASPIR.
- 36) Prof V. Shirwal organized a session on “Work Life Balance” by the Art of Living teacher Mrs. Shagun Didi on 24th July 2019.
- B) WORKSHOP ATTENDED:**
- 1) Prof. V. S. Shirwal, Prof. S. S. Shaha & Prof. Irfan I. Mujawar attended “Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop” on 17th May 2020 through IIT Bombay Bodhi-Tree platform.
- 2) Following faculty members have attended 1 Day Workshop on “Linux” conducted by NMIECT on 23 August 2019
1. Prof. V. Santoshkumar
 2. Prof. H. J. Mane
 3. Prof. A. J. Mehta
 4. Prof. V. B. Bhosale
 5. Prof. N. U. Gawali
 6. Prof. S. S. Shaha
 7. Prof. P. S. Patil
 8. Prof. D. D. Pawar
 9. Prof. I. I. Mujawar
- 3) Following faculty members have attended 1 Day Workshop on “C &



C++” from conducted by NMIECT on 29 Feb 2020

1. Prof. V. Santoshkumar
 2. Prof. H. J. Mane
 3. Prof. A. J. Mehta
 4. Prof. V. B. Bhosale
 5. Prof. N. U. Gawali
 6. Prof. S. S. Shaha
 7. Prof. P. S. Patil
 8. Prof. D. D. Pawar
 9. Prof. I. I. Mujawar
- 4) Prof. V. S. Shirwal attended a Workshop on” eSim and Arduino” organized by IITB on 21st Sep. 2019 and 8th Feb. 2020.

8. DEPARTMENT ADVISORY BOARD:

Electrical Department Advisory Board meeting was conducted on 5th May 2020. The purpose of this meeting is to understand how industries working under lockdown COVID-19 situation as well as to discuss the post COVID-19 working in industries taking into consideration the various measures with proper precautions. For this meeting 3 Industry Representative and 2 Alumni were participated as follows:

1. Mr. Suneel Pendse, MD, Onkar Trading, Solapur
 2. Mr. Gajanan Bijjargi MD Laxmi Control, Solapur
 3. Mr. Sagar Katte MD JDK Enterprises, Solapur
 4. Mr. Gujan Tipe, Mechatronics Engineer, ElInfotek, bHyderabad
 5. Mr. Ramling Chougule, System Engineer, AVL Electronics, Pune
- The meeting underlines the

importance of new knowledge areas such as Artificial intelligence, Machine learning is part of future work requirement irrespective of branch of engineering. Also the opportunity for Electrical Engineer in Machine Installation, Programming and maintenance will rise in near future. E-vehicle and facilities for its charging stations will be in huge demand. The key message from the meeting is stay safe and keep Hygiene at work place.

9. NPTEL COURSES:

Class	Name of the course	No. of Student registered
SE	Non-Conventional Energy Resources	14
	Power System Engineering	20
TE	Advance power electronics & Control	55
	Control Engineering	54
	Industrial Automation And Control	58

10. OTHER COURSES:

Name of the course	CLASS & No. of Student completed
1. Coursera Platform	
Electrical Power System	SE-48 TE-17
Python for Everybody	SE-68 TE-17
Wind Energy	SE-05 TE-02



Solar Energy Basics	SE-20
Electrical Industry Operation and Marketing	SE-03
Interpersonal communication for engineering leaders	SE-31
Oral Communication/Communication skills for engineers	SE-14 TE-10
Personality types of work	SE-04
Grammar and punctuation	SE-06
Introduction to soft skills	SE-10
Business English: basics	SE-06
C for everyone	SE-03
Conversation English skill	SE-20
Machine Learning	SE-05
AI for everybody	SE-04
2. Energy Swaraj Foundation Platform (IIT Bombay)	
Learn to design your own solar home system	SE-60 TE-03
3. TATA Steel Platform	
Induction Motor	SE-15 TE-04
Transformer	SE-22
Natural gas	SE-05 TE-02
4. AutoCAD Platform	SE-55
5. TCS ION career Edge/knockdown to Lockdown	SE-22 TE-03

11. CO-CURRICULAR COURSES FOR STUDENTS

The department conducted various

Co- Curricular courses for our students as follows.

1. Prof. P S Patil organized three Days Workshop on Solar Energy for TE Electrical Students in collaboration with Orb Energy, Bengluru, 72 students were participated for the course which was conducted during 30th Aug. to 1st sept. 2019.
2. Prof. V B Bhosale organized three days workshop on AutoCAD for SE Electrical Students in collaboration with Sanjay Computers, Solapur from 20 to 22 Feb 2019. (82 students participated)
3. Prof. Nitin Gawali organized one Day Workshop on PLC & SCADA on 23/08/2019 for BE Electrical Students in collaboration with Sofcon India Pvt. Ltd, Pune (60 students participated).
4. Prof. Nitin Gawali organized one Day Workshop on "Industrial Automation" on 19/10/2019 for TE Electrical Students in collaboration with The World of Automation, Pune (74 students participated).
5. Prof. Nitin Gawali organized webinar on SCUBE standard PLC Logic development for Automotive Industry on 04/06/2020 for SE, TE, BE Electrical Students in collaboration with Sofcon India Pvt. Ltd, Pune (100 students participated).
6. Prof. V S Shirwal organized webinar on Renewable Energy- opportunities & challenges post COVID-19 for SE, TE, BE Electrical



Students in association with Spitzen Energy Solutions Pvt. Ltd., Pune on 17/06/2020. (100 students participated)

Prof. I. I Mujawar (Dean Academic) conducted session on Success is My Choice on SE Electrical students on 31/01/2020 (72 students participated)

Class	Name of the course	No. of Student registered
SE	MATLAB Programming for Numerical Computation	12
	Power System Engineering	09
	Electrical Machines I	11
TE	Fundamentals of Power Electronics	37
	Programming In C+	8
	Problem solving through Programming In C	24

12. CONTRIBUTION OF FACULTY MEMBERS IN VARIOUS DEPARTMENT & INSTITUTES ACTIVITIES

Name of faculty	Contribution
Prof. V. Santoshkumar	Class coordinator (BE)
	Dept. timetable coordinator
	Department library coordinator
	POE coordinator
	Incubation coordinator
	Sports coordinator (Volley Ball)
	Electrical Measurement Lab Incharge

Prof. H. J. Mane	Class Coordinator (TE)
	Expert lecture
	Website coordinator
	Archive Coordinator
	Power Electronics & Drives Lab. In charge
Prof. A. J. Mehta	DSE Coordinator
	FE Coordinator
	DBATU Exam Coordinator
	DBATU POE Coordinator
	Class Coordinator SE
	Electrical Machine I Lab Incharge
Prof. S. S. Shaha	Electrical Machine II Lab Incharge.
	Academic Monitoring Committee Member
	Dept. SUS exam coordinator
	Magazine Coordinator
	Newsletter coordinator
	Magazine (Art Section) Coordinator
	Analog & Digital Circuit Lab Incharge
	Cultural Committee Member
Prof. V. B. Bhosale	Industry visit coordinator
	Industry connect coordinator
	Alumni Coordinator
	Industry-Institute Partnership / MoU coordinator
	T&P coordinator
	EDP Coordinator
	PMKY Solar Panel Installation



Prof. N. U. Gawali	Career Counselling coordinator
	BE project coordinator
	Control System Lab Incharge
	PLC & SCADA Lab Incharge
	Computer Lab II Incharge
	Antiragging coordinator (Institute Level)
Prof. P. S. Patil	Proctor Faculty Coordinator
	Co-curricular course coordinator
	Self-learning module coordinator
	NPTTEL Course Coordinator
	Computational Lab I Incharge
	Bus coordinator (Institute level)
	Parent Teacher Coordinator (PTA)
Prof. D. D. Pawar	Aptitude Test Coordinator
	Industrial training coordinator
	ACEE Committee Coordinator
	Departmental NAAC coordinator
	Magazine Coordinator (Technical Section).
Prof. I. I. Mujawar	Orchitech coordinator
	Project Lab Incharge
	FE FC Coordinator (Institute Level)
	Switchgear & Protection Lab Incharge

13. AWARDS WON BY STUDENTS IN VARIOUS COMPETITIONS

Sr. No.	Name of student	Class	Competition	Organized by	Prize
1	Dakhani Yaseen Khan	TE	Electro Spark	NKOCET	1st
2	Nikita Burla	TE	Electri - Spark	NKOCET	1st
3	Venugopal Pudur	TE	Electri - Spark	NKOCET	2 nd
4	Vikas Kodam	TE	Electro - Spark	NKOCET	2 nd
5	Dakhani Yaseen Khan	TE	Project Exhi - bition	NBNSCO	1st
6	Shubham Raul	TE	Project Exhi - bition	NBNSCOE	1st
7	Aishwarya Chauhan	TE	Project Exhibiti on	NBNSCOE	1st
8	Nikita Burla	TE	Project Exhibiti on	NBNSCOE	1st
9	Venugopal Pudur	TE	Project Exhi - bition	NBNSCOE	1st
10	Shubham Raul	TE	Device Crack - ing	NBNSCOE	1st
11	Aniket Waghmare	TE	Device Crack - ing	NBNSCOE	1st
12	Sarvesh Birajdar	TE	Device Crack - ing	NBNSCOE	2 nd
13	Abhishekh Jakapure	TE	Device Crack - ing	NBNSCOE	2 nd
14	Dakhani Yaseen Khan	TE	Technic al Cross - word	NBNSCOE	1st



15	Nikita Burla	TE	Tech . Cross - word	NBNSCOE	1st
16	Vaishnavi Kuma - thekar	TE	General Quiz	NBNSCOE	1st
17	Mitali Madgundi	TE	Pain - ting Comp - etition	All india Painting Comp - etition	Par tici pat ed
18	Vikas Utage	BE	Fun Games	NKOCET	1 st
19	Manish Wagh - mode	BE	Fun Games	NKOCET	1 st
20	Aviraj Dhotre	BE	Fun Games	NKOCET	2 nd
21	Prathmesh Kamble	BE	Fun Games	NKOCET	2 nd

6.	Discipline (Head)	Mr. Chilveri Guruprasad(TE) Ms. Nikita Burla(TE)
7.	Sports (Head)	Mr. Nagesh Dilip Hangarge(TE)
8.	Technical (Head)	Mr. Shubham Raul(TE)
9.	Food (Head)	Mr. Anuj Chourasiya(TE)
10.	Decoration (Head)	Mr. Sanket Khamitkar(TE)
11.	Anchoring (Head)	Mr. Aishwarya Chauhan(TE)
12.	Photos & Gallery	Mr. Megha Narayankar(TE) Mr. Aditya Lomate(TE)

14. AMBITIOUS CANAL OF ELECTRICAL ENGINEERING (ACEE) ACTIVITIES:

a) ACEE Committee:

Following students were elected as office bearers of Ambitious Canal of Electrical Engineering Students Association (ACEE) for the academic year 2019-2020.

Sr. No.	Post	Name of Student
1.	President	Ms. Snehal Patil (BE)
2.	Vice- President	Mr. Dakhani Yaseen Khan (TE)
3.	Secretary	Mr. Pawankumar Yemul(TE)
4.	Treasurer (Head)	Mr. Nikhil Dasmane (TE)
5.	Cultural (Head)	Mr. Vaishnavi Kumathekar(TE)

b) Events Organized By ACEE Committee in A.Y. 2019-20

Events	Activity
Guru Poornima	Student Speeches
Fresher's Party	Welcome of 2nd Year Students
Teachers Day (5th Sept 2019)	Felicitation of Teachers, Drama On importance of Teacher
Engineer's Day (15th Sept 2019)	Technical Events - <ul style="list-style-type: none"> • Poster Presentation • Treasure Hunt • Quiz Competition
Mahatma Gandhi Jayanti (2rd Oct 19)	Introduced life and efforts taken by Mahatma Gandhi for freedom of Nation by performing Drama, Speeches and shown documetry.
Marathi Bhasha Pandharwada (5th Jan 2020)	Speeches and Poster Presentation
Technovation 2K20 (9th March 2020)	Technical Event for Diploma Students & Non - Technical Events for 11 th & 12 th Students



Cultural Programs	Blue Day Mismatch Day Bollywood Day Twins Day
Inter - Department Sports	Cricket and Volleyball Matches

c) Expert Lecture Arranged by ACEE for Benefit of Students

Class	Topic	Resource Person
S.E.	Stress Management	Smt. Alka Kakade Psychological Councillor
	Three Phase Transformers	Mr. Juber Shaikh (Asst. Er, MSEDCL, Solapur)
T.E.	Transformer Protection	Mr. Rushikesh Patil (Service Engineer) CTR, Pune
B.E.	Career Opportunity in Electrical Domain	Mr. Aditya Dattar (Facility Executive Engineer) CBRE, Kurla. Mr. Aditya Gawali Site Incharge, JDK Enterprises, Solapur & Mr. Vivekananda Boda Electrical Engineer, Onkar Automation, Solapur.

Equipment on 10th August 2019 in order to understand the operation of substation, control room and its working, to understand single line diagram of 220/132/33 KV substation, testing of transformer, CT and PT, circuit breaker, earthing, trouble shooting and maintenance of Transformer and battery.

16. STUDENT DEVELOPMENT

- Organized one week “Student Excellence & Learning Program” by Art of Living, Bangalore in which the students are learned about stress management, time management, concentration technique and leadership quality. The program conducted through TEQIP under DBATU, Lonere.

(Prof. V. S. Shirwal)

Head

Department of Electrical Engineering

15. EDUCATIONAL TRIPS AND VISITS

- T.E. Electrical students visited to a 220KV Bale Substation, Ambika Nagar, Bale, Barshi Road, Solapur for subject of Testing and Maintenance of Electrical



Mechanical Engineering Department



Dr. S.S. Metan

It gives me immense pleasure to present before you the annual report of Mechanical Engineering department.

It includes various achievements of students and faculty members and different activities conducted during the academic year 2019-20.

We believe that teamwork divides the task and multiplies the success.

1) ACADEMIC PERFORMANCE:

Our students have shown excellent results in university examination in the academic year 2018-19. Result of S.E., T.E. and B.E. classes in the academic year 2018-19 examination are as follows:

A. Performance in University Exam Rankers of the Class:

The first five rankers of SE, TE & BE Mechanical class are as follows.

BE (Mechanical)

Rank	Name of Student	%
I	Chandak Onkar Laxmikant	84.54%
II	Patel Tamim Yawarpushe	83.89%

III	Dhage Vishal Bhupal	83.40%
IV	Pathan Naved Javid	83.17%
V	Pathak Tejas Santosh	82.83%

TE (Mechanical)

Rank	Name of Student	%
I	Patil Shivsharan Sunil	81.39%
II	Vibhute Shubham Kantilal	80.61%
III	Koli Prasad Siddheshwar	80.36%
IV	Kalshetti Rajesh Shivanand	79.76%
V	Halole Snehal Suresh	78.24%

SE (Mechanical)

Rank	Name of Student	CGPA
I	Pawar Ashish Mahadev	9.48
II	Shaikh Ayan Sherali	9.13
III	Birajdar Amar Revansidha Kadagi Pravin Chandrakant	9.07
	Patil Vishwesh Basavaraj Math Akash Chanabasayya	
V	Pardeshi Rakesh Chagan	9.00



Class wise Passing Results:

S.E. (Mechanical) – 97.41%

T.E. (Mechanical) – 88.46%

B.E. (Mechanical) – 96.80%

B. Success in Gate 2019 Examination

Mechanical Engineering Department has conducted one month crash course in winter vacations for the preparation of GATE-2020 examination. Motivational and informative session by the experts and previous years GATE exam. qualified students were conducted for SE to BE students. Mr. Sohail Khan Patel secured score of 404 in GATE-2020. Prof. D.D. Bhoge worked as coordinator for Career Counselling Cell of our Department.

c. Success in GRE/ TOEFL/ IELTS Examination

Following students of Mechanical Engineering Department have cracked IELTS examination for pursuing their Master's Degree in universities abroad. Dr. Shrinivas S. Metan, worked as coordinator and guided these students for examination preparation.

Sr. No.	Name of Student	Exam
1	Mr.Hardik Madda	IELTS
2	Mr.Rakesh Machrala	IELTS
3	Mr.Krist Sane	IELTS
4	Mr.Rohit Patil	IELTS
5	Mr.Salik Bijapure	IELTS
6	Mr.Ashish Chandane	IELTS
7	Mr. Aftab Merchant	IELTS

Admissions to Masters in Universities Abroad:

In the academic year, 2019-20, following three students are going for pursuing their Master's Degree in foreign universities.

1. Mr. Rohit Patil got admission to M.S. programme in Industrial Engg. at University of Michigan Dearborn, USA for Fall 2020. He also got admits from Western Michigan University and University of Texas at Arlington, USA.
2. Mr. Ashish Chandane got admission to M.S. program in Industrial Engg.- Agile Factory Management at Centrale De Nantes University, France. He also got admits from Toulouse INP, France and Grenoble Polytechnic Institute INP, France.
3. Mr. Krist Sane got admission to M.S. program in Supply Chain Management at SRH University of Applied Science, HAMM, Germany.
4. Mr.Faisal Sayyad has got admission to M.S. program in Design and Vibration at King Fahad University, Saudi Arabia

2) INDUSTRY- INSTITUTE INTERACTION:

A. MOU with Industries

Mechanical Engineering Department signed MOU in the previous years with following industries Dassault Systems Ltd, TTL, Thermax O & M Division, Pune, Saurabh Flexipack Systems Ltd, Pune; Precise Industries Ltd, Solapur, Vernier Design Solutions Pvt Ltd, Pune.



Following MoUs were signed in this academic year.

1. CADCAM GURU Solutions Pvt Ltd, Pune.

MoU is signed with CADCAM GURU Solutions Private Limited, Pune on 27th November 2019 to train the students and staff of “N.K. Orchid College of Engineering and Technology, Solapur” in the field of CAD/CAM and acquire the technical knowledge and industry required skills.

2. Tata Technologies Ltd, Pune

MoU is signed with Tata Technologies Ltd., Pune under Prayatna Scholarship for the innovation and development of “Two Seater Solar Vehicle”. TTL has sponsored 1.5 Lakh Rupees for developing this Solar Vehicle. Dr. Shrinivas S Metan is the Principal Investigator for this sponsorship.

B. Sponsored Projects

Following table shows the sponsored project from various industries in the academic year 2019-20.

1. The project entitled “Design, Development & Analysis of Suspension and Steering System for Solar Car”, under the guidance of Dr. Shrinivas. S Metan from La Fondation Dassault Systems Ltd Pune & Tata Technologies Ltd Pune.
2. The project entitled “Design, Development & Analysis of Chassis and Braking System for Solar Car”, under the guidance of Dr. Shrinivas. S Metan from La Fondation Dassault Systems Ltd Pune & Tata Technologies Ltd. Pune.
3. The project entitled “Tender Sorghum Grain Separator”, under the guidance of Dr. B K Sonage from TrioUnity, Solapur.
4. The project entitled “Evaluation of Heat Transfer and Pressure Drop Characteristics of Green Nano-fluids”, under the guidance of Dr. B K Sonage from KAIZAN industries, Solapur, Solapur.
5. The project entitled “Design and Development of pulverization machine”, under the guidance of Dr. N. R. Patil from Vijay Pipes, MIDC Solapur.
6. The project entitled “Design and Fabrication of Solar Dryer”, under the guidance of Prof. C.V. Papade from La Fondation Dassault Systèmes Ltd., Pune.
7. The project entitled “Testing and Analysis of Solar Dryer”, under the guidance of Prof. C.V. Papade from La Fondation Dassault Systèmes Ltd Pune.
8. The project entitled “Design and Fabrication of Engine Operated Seed Sowing Machine”, under the guidance of Prof. B. R. Birajdar from Krushak Bhavan, Solapur.
9. The project entitled “Design and Development of Hydraulic Pipe Bending Machine”, under the guidance of Prof. Y. B. Patil from Shree Steel Furniture Solapur.

3) SOLAR RESEARCH CENTER:

Following courses were organized by the department for the mechanical and



electrical engineering students, under different skill development program under solar domain. Prof. C. V. Papade was the coordinator for these courses.

Sr. No.	Course	No. of Students	Duration
1	Solar Ready Engineers course	54	120hrs
2	Solar Ready Engineers course	32	120hrs

Many activities were conducted in Solar Research Center in this academic year such as “Solar National Vehicle Competitions”, “Experts visit to the Center, School, College and even Diploma student's workshops.”

4) CO-CURRICULAR COURSES CONDUCTED:

Department of Mechanical Engineering has conducted various Co-curricular courses which helps to enhance the technical skills of the students to become industry ready. Prof. S. K. Khillare has worked as a coordinator for these courses.

Sr. No.	Course	No. of Students	Duration
1	RE 2.0 Training Program by TTL	46	40 hrs
2	CNC Machining	24	50 hrs
3	C ++ Programming for Scientific application	20	50 hrs
4	Basic German Language Course	18	50 hrs

5) FACULTY PUBLICATIONS:

1. Shriniwas S. Metan, Rohit. N. Patil, Abhishek R. Kshirsagar, “Six Sigma: Literature Review & Methodologies to Improve Implementation”, Test Engineering & Management, Volume 83 Issue 01, March 2020, pp 71-79 (Scopus Indexed)
2. Shriniwas S. Metan, Mr.Saleek Bijapure, Mr. Mayur Mukkavar, “Design & Simulation of Suspension System”, Test Engineering & Management, Volume 83 Issue 02, April 2020, pp 7621-7632 (Scopus Indexed)
3. Shriniwas S. Metan, Abhishek R. Kshirsagar, Govind N. Samleti, Vinayak K Patki, “Anti-Glare Headlamp a Safe Option for Better Vision to the Rider”, International Journal of Innovative Technology and Exploring Engineering, Volume-8, Issue 9S2, July 2019, pp 672- 678 (Scopus Indexed).
4. Shriniwas Metan, Shrikant Jahagirdar, Vinayak Patki, “Urban Water Distribution Network Failure Prediction Using Artificial Intelligence”, International Journal of Recent Technology and Engg. (Under Review) (Scopus Indexed)
5. Shriniwas Metan, Shrikant Jahagirdar, Vinayak Patki, “Evaluation of Physical & Chemical Properties of OPC & PPC Cement”, International Journal of Recent Technology & Engineering, Volume 8, Issue 2, 11, September 2019



(Scopus Indexed)

6. Shriniwas S Metan, Rajat Ganechari, Prashant Bhandarkavthekar, Aditya Dudka, Ajay Rathod, "Two Drive Modes for the Vehicle" International Journal of Scientific & Engineering Research, Volume 10, Issue 1, July- 2019, ISSN 2229-5518. (Thomson Router Indexing, UGC Approved Indexing)
7. BK Sonage, SV Kumbhar, "Adaptation and implementation of solar distillation plants for pure water: a review", Journal of Water Pollution & Purification Research, 4 (1), 2019, 1-3
8. BK Sonage, SV Kumbhar, "Experimental Investigations of Developed Solar Still for Increment in Efficiency and Rate of Distillate Experimental Investigations of Developed Solar Still for Increment in ...", International Journal of Heat and Technology, 3 (2), 2019, 471-480.
9. BK Sonage, AB Bhosale, "Assessment of Thermal Conductivity of Liquids by Modified Parallel Plate Method", Journal of Emerging Technologies and Innovative Research 6 (6), 2019, 574-579
10. Sonage BK, Pawar K.P, Bijja Shanti Ramchandra "synthesis and characterization of zinc oxide green nanoparticles", International Journal of Emerging Technologies and Innovative Research (www.jetir.org | UGC and issn Approved), ISSN:2349-5162, Vol.6, Issue 6, page no. pp459-462, June-2019, Available at : <http://www.jetir.org/papers/JETIR1906B73.pdf>
11. BK Sonage, AB Bhosale, "Development and calibration of modified Parallel plate method for measurement of thermal conductivity of liquids: A review", International Research Journal of Engg., Management & Technology (IRJET), 6 (6), 2019, 1141-1145
12. Mohammed Samee A. D, "Optimum spacing between grooved tubes: An experimental study", Journal of Mechanical Science & Technology (Springer), Vol 34, 2020, pp 469-475.
13. A. D. Mohammed Samee, "Thermal management of modern electric vehicle battery systems (MEVBS), Journal of Thermal Analysis and Calorimetry (Springer)", <https://doi.org/10.1007/s10973-020-09606-x>, April 2020.
14. M. B. Mali, S. S. Kale, "Performance Evaluation of IC Engine with Preheated Fuels – A Review", International Research Journal of Engineering & Technology (IRJET), Volume: 06, Issue: 04, Apr 2019.
15. M. B. Mali, S. S. Kale, "Performance Evaluation of IC Engine with Preheated Diesel", International Journal of Innovative Science and Research Technology (IJISRT), Volume: 4, Issue: 4, April– 2019.
16. Mr. Ranavare V. R. & Prof. Kale S. S.



'Performance analysis of C.I. Engine by using two oils (Jatropha oil & Methanol) blended with Diesel as alternative fuel: a review' International Research Journal of Engineering & Technology (IRJET), Volume: 06; 06/June 2019.

17. Mr. Ranavare V. R. & Prof. Kale S. S. 'Performance analysis of C.I. Engine by using two oils (Jatropha oil & Methanol) blended with Diesel as alternative fuel' Journal of Emerging Technologies & Innovative Research (JETIR), Volume: 06, Issue 5; May 2019.

18. C.V. Papade, "Experimental Investigation of Solar Powerd Cooking Stove", IPASJ International Journal of Mechanical Engineering (IJME) Volume 8, Issue 1, January 2020 (Thomson Reuters Indexed).

19. C.V. Papade "Day & Night Parabolic Concentrating Solar Cooker using Nano-mixed PCM", International Conference paper at ETNM-2019, 16th& 17th December 2019.

6. SHORT TERM COURSE / CONFERENCE/ WORKSHOPS ATTENDED / ORGANISED BY OUR FACULTY MEMBERS.

Following faculty members have attended the workshops/ Seminars and conferences

1) Dr.Shriniwas S Metan has attended "Second Edition of Knowledge Summit" on 17th& 18th October 2019 in Lyon, France organized by French and Indian Embassy & HRD

Ministry of India.

2) Dr.Shriniwas S Metan has attended "ACMA Technology Summit 2019" on 25th and 26th November 2019 at J W Marriott Hotel, Pune, organized by Automotive Component Manufacturers Association of India.

3) Dr.Shriniwas S Metan has attended "NAFED 2019 Conference" at BARC, Mumbai. 9th and 10th December 2019 organized by ISRO and BARC India.

4) Dr.Shriniwas S Metan has organized and attended Two days training "BIW and Trims" conducted on 20th and 21st Dec 2019. organized by TTL Pune.

5) Dr.Shriniwas S Metan has attended Two Days FDP "Do It Yourself Product Re-Engineering, Additive Manufacturing" at Vasi Reddy Venkatadri Institute of Technology, Andra Pradesh, on 6th and 7th May 2019. organized by La Foundation Dassault Systems, Bangalore.

6) Dr.Shriniwas S Metan has organized Two Days Workshop on "Fundamentals of Vehicle Dynamics and Introduction to Electric and Hybrid Vehicles" on 6th and 7th March 2020.organized by SAE INDIA.

7) Dr.Shriniwas S Metan has attended SAE SUPRA workshop/ Formula Race held at Buddha International Circuit, Greater Noida, UP, India on 17th to 20th July 2019 organized by Maruti Ltd & SAE India.

8) Dr.Shriniwas S Metan has attended One day FDP on, "Special Topics in



- Industry Application”, Conducted on 03/02/2020 organized by NKOCET and DBATU.
- 9) Dr.Shriniwas S Metan has attended One Day Workshop in” Opportunities in French Universities for Master's Program” on 18th February 2020 organized by French Embassy India with 15 Technical Universities from France.
 - 10) Dr.Shriniwas S Metan has attended One Day Faculty Orientation Program at SAEINDIA Office Pune on 14th December 2019 organized by SAEINDIA.
 - 11) Dr.Shriniwas S Metan has attended 2 days' workshop/meeting on “SAE AWIM, SUPRA/BAJA 2020 and funding for SAE activities in the year 2019-20, on September 20th and 21st August, 2019 at Chennai, India organized by SAE National Board.
 - 12) Dr.Shriniwas S Metan has attended in One day Workshop “Autodesk Fusion 360 Academy” in Bangalore on 22nd February 2020 organized byAutodesk India.
 - 13) Dr.Shriniwas S Metan has attended 2 days' “SAE Automotive Round Table 2019 Conference” and SAE EEB Meeting on “SAE BAJA and Students Conventions. on 3rd and 4th May 2019 at Chennai, India organized by SAE National Board.
 - 14) Dr.Shriniwas S Metan has organized and attended “National Level Solar Vehicle Competition” on 27th July 2019 organized by Dassult Systemes and NKOCET.
 - 15) Dr.Shriniwas S Metan has attended Two Days “Vibrant Terry Towel Global Expo Summit 2019” on 25th and 26th September 2019organized by TDF Solapur.
 - 16) Dr.Shriniwas S Metan has organized one day (Tier-I) SAEINDIA WS Student Convention 2020 on 6th February 2020 organized by SAEINDIA and NKOCET.
 - 17) Dr.Shriniwas S Metan has attended Online Learning 3Days Certified Course 1st to 3rd April 2020 organized by QASPIR.
 - 18) Dr.Shriniwas S Metan has organized Sessions on “What should students do to be industry ready and what should they do in order to grow within the organization that they join” on 10th , 16th and 26th April 2020, organized by Mr Yatin Shah (MD/Founder Member of PCL).
 - 19) Dr.Shriniwas S Metan has organized Sessions on “What should students do to be industry ready and what should they do in order to grow within the organization that they join” on 10th , 16th and 26th April 2020, organized by Mr Yatin Shah (MD/Founder Member of PCL).
 - 20) Dr.Shriniwas S Metan has organized Sessions on “Effective Communication Skill session organised to SE & TE Mechanical Engineering students” on 25th April 2020, organized by Mr. Shrikant Ket from Eaton Ltd Pune.
 - 21) Dr.Shriniwas S Metan has attended“ Do-It-Yourself Product Re-Engg.



Additive Manufacturing” on 6th & 7th May 2019, organized by Vasireddy Venkatreddy Institute of Technology, AP.

- 22) Dr. Shrinivas S Metan has attended in “Importance of Association with Professional Organisations for Outcome Based Education” on 30/04/2020, organized by WCE Sangli.
- 23) Dr. Shrinivas S Metan has attended in “Learning from Lockdown: Business Management Perspective” on 12/05/2020, organized by Mr. Nitin Chalke President Hydraulics and Vehicles, Asia Pacific, Eaton.
- 24) Dr. B K Sonage has attended One day FDP on, “Special Topics in Industry Application”, Conducted on 03/02/20, organized by NKOCET and DBATU.
- 25) Dr. B K Sonage has attended one week National level workshop on, “Practice Based computational Fluid Dynamics”, from 23/12/19 to 27/12/19, organized by JSPM's Imperial College of Engg. and Research.
- 26) Dr. B K Sonage has attended One day state level workshop on, “Methodology on online AQAR submission under revised NAAC guidelines”, conducted on 27/08/19 and organized by H.N. College of Commerce, Solapur and IQAC Cluster India.
- 27) Dr. B K Sonage has attended Two day National level awareness

workshop on, “Outcome based education and NBA Accreditation”, on 01/03/20 to 02/03/20, organized by Sandipani Technical Campus, Latur and DBATU.

- 28) Dr. B K Sonage has attended Three days' workshop on, “Intellectual Property Rights in India”, on 24/02/20 to 26/02/20, organized by Shri Siddheshwar Women's College of Engineering, Solapur and DBATU.
- 29) Prof. A. S. Kashid has attended one week STTP on “Research Methodology”, organized by DBATU at KBPCOE Satara.
- 30) Prof. A. S. Kashid has attended one week FDP on “LaTeX”, organized by IIT Bombay.
- 31) Prof. A. S. Kashid has attended One Week STTP on “Rural Development”, organized by NITTR Bhopal.
- 32) Prof. A. S. Kashid has attended one week STTP on “Innovations to Academicians”, organized by NSTEDB New Delhi.
- 33) Prof. A. S. Kashid has attended one week International STTP on “Research Challenges & innovations in renewable energy systems”, organized by NSTEDB New Delhi.
- 34) Prof. A. S. Kashid has attended one-week National level FDP on “Effective proposal writing for research and funding”, organized by SITRC Nashik.
- 35) Prof. A. S. Kashid has attended one-week National level FDP on



- “Patenting for innovations”, organized by SCE Kopargaon..
- 36) Prof.A.S.Kashid has attended one-week National level FDP on “Recent advances in modelling and optimization techniques”, organized bySIT Yadrav.
- 37) Prof. S. S. Kale has attended one week Faculty Development Program and Online Training on LATEX. Date : 27th April to 2nd May 2020, organized by Spoken Tutorial Project IIT Bombay.
- 38) Prof. S. S. Kale has attended one week National Level Online Faculty Development Program on Innovation to Academicians, Date: 11 to 16 May 2020, organized by Dept of Science and Technology, Govt of India, New Delhi.
- 39) Prof. S. S. Kale has attended Five Day Faculty Development Webinar on“Design And Development Of Electric And Hybrid Electric Vehicle Technology" Scheduled during 12th to 16th May 2020, organized by SAE India & NKOCET.
- 40) Prof. S. S. Kale has attended one week workshop on “Research Challenges and innovation in Renewable Energy System” from 11/05/20 to 15/05/20, organized by Aarupadai Veedu Institute of Technology.
- 41) Prof. S. S. Kale has attended two week International FDP on Emerging Trends in Industry 4.0, organized by JSPM College, Pune.
- 42) Prof. S. S. Kale has attended two week International FDP on Emerging Trends in Industry 4.0, organized by NKOCET.
- 43) Prof. S.S. Kale has attended webinar on “Intellectual Property Rights Process”, organized by Sanjay Bokare Group of Institute, Miraj.
- 44) Prof. S. S. Kale has attended Faculty Development Training Program under ISTE “Technical Teacher’s Training”, organized by ISTE & Vidyavardhini Institute of Technology, Pal.
- 45) Prof. S. S. Kale has attended 3 days online workshop on "Education 4.0" held on 28th -30th April 2020, organized by IQAC, Atharva College of Engineering.
- 46) Prof.S.S.Kale has completed 8 weeks course on “Introduction to Thermodynamics: Transferring Energy” on the Coursera platform.
- 47) Prof.S.S.Kale has completed 6 weeks course on “Exploring Renewable Energy Scheme” on the Coursera platform.
- 48) Dr.N R Patil has attended one week STTP on Rural Development, organized by NITTR, Bhopal.
- 49) Dr.N R Patil has attended one week FDP on “Industrial IoTs, Industry 4.0 & Disruptive Technologies”, organized by DBATU.
- 50) Dr.N R Patil has attended 3 Days online workshop on Education 4.0, organized by Atharve College of Engg.



- 51) Dr.N R Patil has attended one week FDP on Funding Opportunities for Engg Teachers & Technical paper writing, organized by RIT.
- 52) Dr.N R Patil has attended one week STTP on Implementation of Advanced Optimization Techniques using MATLAB, organized by RIT.
- 53) Dr.N R Patil has organized one-day workshop for GP Solapur students at NKOCET.
- 54) Dr.N R Patil has organised Road show of our Quad Bike is arranged at GP Solapur.
- 55) Prof.C V Papade has attended Rural Development through Technical Institution, organized by NITTTTR, Kolkata.
- 56) Prof. CV Papade has attended Special Topics in Industry Applications, organized by DBATU.
- 57) Prof.C V Papade has attended NBA accreditation and Teaching - Learning in Engineering (NATE), organized by NPTEL.
- 58) Prof. C V Papade has attended workshop on Latex, organized by SGU, Kolhapur association with IIT-Bombay.
- 59) Prof.C V Papade has attended Outcome based education: A step towards Excellence, organized by Govt. College of Engg. Karad.
- 60) Prof.C V Papade has attended Startup Lifecycle and Patent Registration, jointly organized by Ace institution Innovation Council –MHRD ,IEDC-DST, Atharva college of Engg., Mumbai.
- 61) Prof.C V Papade has attended Innovation of Academicians, Jointly organized by DST, Govt. of India & Ramachandra college of Engg. ,Eluru.
- 62) Prof.C V Papade has attended Intellectual Property Rights Process, organized by Bhokare group of Institutes, Miraj.
- 63) Prof.C V Papade has attended Understanding the Universe with scientific Temperament, organized by Bhivarabai Sawant Institute of Technology and Research, Pune.
- 64) Prof.C V Papade has attended Innovation Trends in Engg. & Technology, organized by Shree L.R. Tiwari College of Engineering, Thane.
- 65) Prof.C V Papade has attended Advanced Optimization Tools & Techniques for Researchers & Engineers, organized by Shree L.R. Tiwari College of Engineering, Thane. SKN SCOE & PAHSU, Solapur.
- 66) Prof. C V Papade has attended Aspects of writing a Research Paper, organized by SKN SITC, Pune.
- 67) Prof. A S Dhobale has conducted one-week online internship program on “Product Design – Design Thinking/Innovation/Autodesk Fusion 360”, organized by Autodesk.
- 68) Prof. A S Dhobale has conducted webinar series on “Autodesk



- Fusion 360 webinar aligning to PDE and Engineering Graphics course, organized by Autodesk.
- 69) Prof. A S Dhobale has organized session on “Expectations of Industry from Freshers and Value System” Date – 12 January 2020, organized by Mr. Rajesh Mandlik Chief Strategist, Setco Spindles India Pvt. Ltd. Pune.
- 70) Prof. A S Dhobale has orgaoized session on “Mindsets” Date 09 May 2020 (Class TE Mech and ENTC), organized by Mr. Vishal Bhangre HR Advik Hi-Tech Pvt. Ltd. Pune.
- 71) Prof. A S Dhobale has coordinated session Lecture series of Mr. Yatin Shah.
- 72) Prof. AS Dhobale has participated in Effective and Efficient Online Teaching in the Age of Corona, A Hands on Workshop' on 23-05-2020, organized by PMMMMNMTT, IIT Bombay.
- 73) Prof. AS Dhobale has participated in Two weeks International Faculty Development Program on “Emerging Trends in Industry 4.0” (18th May 2020 to 29th may 2020), organized by ACM Student Chapter and Computer Engg. Department, JSPM's Rajarshi Shahu College of Engineering, Pune.
- 74) Prof. AS Dhobale has participated in 3 days online workshop on "Education 4.0" (28thApril 2020 to 30th April 2020), organized by Atharva College of Engineering held on 28th - 30thApril 2020.
- 75) Prof. AS Dhobale has participated in a webinar on “EduMeet and Panel Discussion on Education and Industry-2020” on 20th May 2020, organized by DBATU, Lonere.
- 76) Prof. A S Dhobale has organized a webinar Series on Product Design Engineering and Autodesk Fusion 360 (6th May, 13th May, 20th May 2020), organized by Autodesk & NKOCET, Solapur.
- 77) Prof. AS Dhobale has participated in Webinar a session on "CCMS-Centralized Campus Management System ERP and ICT best practices in institute" on 20/05/2020, organized by Master Soft ERP Solutions Pvt. Ltd. Nagpur.
- 78) Prof. AS Dhobale has participated in a Webinar on “Aspects of Writing a Research Paper” on 31st May 2020.on 20/05/2020, organized by SKN Sinhgad Institute of Technology & Science, Lonavala, Pune.
- 79) Prof. AS Dhobale has participated in a Webinar on “Gearing up with Virtual Internship Program” organized by Rajarambapu Institute of Technology, Rajaramnagar (RIT) & Global Engineering Dean's Council India Chapter (GEDC India Chapter) on 28th May 2020, organized by RIT & GDEC India.
- 80) Prof. AS Dhobale has participated in a webinar series on “To guide students to select meaningful projects”, organized by LA Fondation, India.
- 81) Prof. D D Bhoge has organized



- workshop for school Teacher “Master Teacher Training Program”, organized by SAEINDIA and NKOCET.
- 82) Prof. D D Bhoge has organized AWIM-2019 Solapur Olympics for School students held at Montessori English Medium School, Solapur, organized by SAEINDIA and NKOCET.
- 83) Prof. D D Bhoge has organized 2days workshop for SAE India Student Member on “Vehicle Dynamics”, organized by SAEINDIA and NKOCET.
- 84) Prof. D D Bhoge has structured 5 Day Faculty Development Webinar on “Electric and Hybrid Vehicle” organized by SAEINDIA and NKOCET.
- 85) Prof. D D Bhoge has organized one day (Tier-I) SAEINDIA WS Student Convention 2020 organized by SAEINDIA and NKOCET.
- 86) Prof. S K Khilare has participated in one week Faculty Development Webinar on “Design & Development of Electric and Hybrid Electric Vehicle Technology” from 12/05/2020 to 16/05/2020, organized by SAEINDIA and NKOCET.
- 87) Prof. S K Khilare has participated in one week TEQIP sponsored online FDP on “Application of FEA and CFD using Ansys” from 13/06/2020 to 17/06/2020., organized by Government College of Engg., Karad.
- 88) Prof. S K Khilare has participated in five week online course on “Autodesk Fusion 360 Integrated CAD/CAM/CAE”, organized by Authorized by Autodesk and offered through Coursera.
- 89) Prof. M B Awate has participated in 10 Days ACM India Winter Schools 2019- on Geometric Algorithms and Their Applications, organized by Dassault Systemes LA fondation & IISER, Pune.
- 90) Prof. M B Awate has participated in Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop' on 23-05-2020, organized by ACM Student Chapter and Computer Engineering Department, JSPM's Rajarshi Shahu College of Engg., Pune.
- 91) Prof. M. B Awate has participated in two weeks International Faculty Development Program on “Emerging Trends in Industry 4.0” (18th May 2020 to 29th may 2020), organized by ACM Student Chapter & Computer Engineering Department, JSPM's Rajarshi Shahu College of Engineering, Pune.
- 92) Prof. M. B Awate has attended Five Day Faculty Development Webinar on “Design And Development Of Electric And Hybrid Electric Vehicle Technology” Scheduled during 12th to 16th May 2020, organized by SAE India & NKOCET.
- 93) Prof. M. B Awate has participated in 3 days online workshop on "Education 4.0"(28th April 2020 to



30th April 2020), organized by Atharva College of Engineering held on 28th - 30th April 2020.

- 94) Prof. M. B Awate has participated in a Webinar on “Post Covid 19 Science & Technology” on 29th May 2020, organized by SRM University, AP & The Hindu times.
- 95) Prof. M. B Awate has participated in a webinar on “EduMeet and Panel Discussion on Education and Industry-2020” on 20th May 2020, organized by DBATU, Lonere.
- 96) Prof. M. B Awate has participated in webinar Series on Product Design Engineering and Autodesk Fusion 360 (6th May, 13th May, 20th May 2020), organized by Autodesk & NKOCET, Solapur.
- 97) Prof. M. B Awate has participated in a webinar Series on Product Design Engineering and Autodesk Fusion 360 (6th May, 13th May, 20th May 2020), organized by Autodesk & NKOCET, Solapur.
- 98) Prof. M. B Awate has participated in a webinar on “IPR Process” 22nd May 2020, organized by Sanjay Bhokare Group of Institute, Miraj.
- 99) Prof. M. B Awate has participated in a webinar session on "CCMS-Centralized Campus Management System ERP and ICT best practices in institute" on 20/05/2020, organized by MasterSoft ERP Solutions Pvt. Ltd., Nagpur.
- 100) Prof. M. B Awate has participated in a webinar on “Aspects of Writing a Research Paper” on 31st May

2020., organized by SKN Sinhgad Institute of Technology and Science , Lonavala, Pune, 410401.

- 101) Prof. M. B Awate has participated in a Webinar on “Gearing up with Virtual Internship Program” on 28th May 2020, organized by RIT & GDEC India.
- 102) Prof. M. B Awate has participated in a webinar series on “To guide students to select meaningful projects” on 28th May 2020, organized by LA Fondation, India.
- 103) Prof. M. B Awate has participated in a 3 days “Webinar Series on Research Techniques & Challenges”, organized SAE India & NKOCET.
- 104) Prof. M. B Awate has completed 5 weeks course on “Autodesk Fusion 360 Integrated CAD/CAM/CAE” on the Coursera platform.
- 105) Prof. M. B Awate has completed 5 weeks course on “Materials Science 10 Things Every Engineer Should Know” on the Coursera platform.
- 106) Prof. Y B Patil has participated in a in a National Level Workshop on Recent Trends in Manufacturing Technology on 3rd & 4th Feb 2012, organized by RIT Sakhrle.
- 107) Prof. Y B Patil has participated in a STTP on Pedagogy for Effective use of ICT in Engineering Education in January 2015, organized by IIT Bombay.
- 108) Prof. Y B Patil has participated in one-day workshop on bridging the gap between Industry and



- Engineering Institute., organized by NKOCET.
- 109) Prof. Y B Patil has participated in one week STTP on Supply Chain and Operation Management, organized by Sinhgad Pune.
- 110) Prof. Y B Patil has participated in two days FDP on Internet of Things Using Raspberry Pi, organized by NKOCET.
- 111) Prof. Y B Patil has participated in Autodesk Fusion 360 Faculty Development Program 25th–29th OCT 2019, organized by Autodesk.
- 112) Prof. Y B Patil has participated in a STTP on NBA Accreditation organized from 22nd to 26th April 2019., organized by NITTTR, Kolkata.
- 113) Prof. Y B Patil has participated in a STTP through ICT mode on modern manufacturing systems organized on 8th – 22nd Feb 2019 , organized by NITTTR, Kolkata.
- 114) Prof. B R Birajdar has participated in 10 Days ACM India Winter Schools 2019- on Geometric Algorithms and Their Applications, organized by Dassault Systemes LA fondation & IISER, Pune.
- 115) Prof. B R Birajdar has organized Industrial Expert Talk on topic “Industrial Terminologies- Basics” on 22-04-2020, organized by Mr. Ramesh Kotnur, (Sr. Manager-Supplier Quality Engineering,) Mahindra & Mahindra.
- 116) Prof. B R Birajdar has participated in two weeks International Faculty Development Program on “Emerging Trends in Industry 4.0” (18th May 2020 to 29th may 2020), organized by ACM Student Chapter and Computer Engineering Department, JSPM's Rajarshi Shahu College of Engineering, Pune.
- 117) Prof. B R Birajdar has attended Five Day Faculty Development Webinar on “Design And Development Of Electric And Hybrid Electric Vehicle Technology” Scheduled during 12th to 16th May 2020, organized by SAE India & NKOCET.
- 118) Prof. B R Birajdar has participated in 3 days online workshop on “Education 4.0”(28th April 2020 to 30th April 2020), organized by Atharva College of Engineering held on 28th - 30th April 2020.
- 119) Prof. B R Birajdar has participated in a webinar on “Post Covid 19 Science & Technology” on 29th May 2020., organized by SRM University, AP & The Hindu times.
- 120) Prof. B R Birajdar has participated in a webinar on “EduMeet and Panel Discussion on Education and Industry-2020” on 20th May 2020, organized by DBATU, Lonere.
- 121) Prof. B R Birajdar has participated in webinar Series on Product Design Engineering and Autodesk Fusion 360 (6th May, 13th May, 20th May 2020), organized by Autodesk & NKOCET, Solapur.
- 122) Prof. B R Birajdar has participated in a Webinar Series on Product Design



- Engineering and Autodesk Fusion 360 (6th May, 13th May, 20th May 2020), organized by Autodesk & NKOCET, Solapur.
- 123) Prof. B R Birajdar has participated in a webinar on “IPR Process” 22nd May 2020, organized by Sanjay Bhokare Group of Institute, Miraj.
- 124) Prof. B R Birajdar has participated in a webinar session on "CCMS-Centralized Campus Management System ERP and ICT best practices in institute" on 20/05/2020, organized by MasterSoft ERP Solutions Pvt. Ltd. Nagpur.
- 125) Prof. B R Birajdar has participated in a webinar on “Aspects of Writing a Research Paper” on 31st May 2020. on 20/05/2020, organized by SKN Sinhgad Institute of Technology and Science , Lonavala, Pune, 410401.
- 126) Prof. B R Birajdar has participated in a webinar on “Gearing up with Virtual Internship Program” on 28th May 2020, organized by RIT & GDEC India.
- 127) Prof. B R Birajdar has participated in a webinar series on “To guide students to select meaningful projects” on 28th May 2020, organized by LA Fondation, India.
- 128) Prof. B R Birajdar has participated in a One day Workshop “ Autodesk Fusion 360 Academy” in Bangalore on 22nd February 2020, organized by Autodesk India
- 129) Prof. B R Birajdar has participated in a One day Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop' on 24th May 2020, organized by PMMMNMTT, IIT Bombay.
- 130) Prof. B R Birajdar has participated in a Two Days “Vibrant Terry Towel Global Expo Summit 2019” on 25th and 26th September 2019, organized by TDF Solapur.
- 131) Prof. B R Birajdar has participated in a One Day Workshop on Virtual Lab (11th October 2019), organized by TDF Solapur.
- 132) Prof. B R Birajdar has organised Industrial Expert Talk on Role of Design Engineer in Organization, organized by Mr. Shreyas Kulkarni (Manager- Design & Engineering) Thyssen Krupp Pvt. Ltd. Pune..
- 133) Prof. B R Birajdar has participated in a 3 days “Webinar Series on Research Techniques & Challenges”, organized SAE India & NKOCET.
- 134) Prof. B R Birajdar has completed 5 weeks course on “Autodesk Fusion 360 Integrated CAD/CAM/CAE” on the Coursera platform.
- 135) Prof. B R Birajdar has completed 5 weeks course on “Materials Science 10 Things Every Engineer Should Know” on the Coursera platform.
- 136) Prof. B R Birajdar has completed 5.5Hrs course on “Industry 4.0” on the Tata Steel platform.
- 137) Prof. B R Birajdar has completed 5 weeks course on “Machine Design Part-I” on the Coursera course - Georgia Institute of Technology platform.



- 138) Prof. B R Birajdar has completed 8 weeks course on “Introduction to Thermodynamics: Transferring Energy from Here to There” on the University of Michigan platform.
- 139) Prof. B R Birajdar has completed 1 week course on “Programming with Python” on the Udemy platform.
- 140) Prof. A B Magar has participated in a Two days NAFED 2019 Conference, organized by BARC, Mumbai.
- 141) Prof. A B Magar has organized SAE Student Convention (Round 1 Activity) organized by SAE INDIA and NKOCET.
- 142) Prof. A B Magar has completed 8 weeks course on “Accreditation & Outcome based Learning” on the NPTEL platform.
- 143) Prof. A B Magar has completed 8 weeks course on “NATE” on the NPTEL platform.
- 144) Prof. A B Magar has completed 7 weeks course on “Programming for Everybody (Getting Started with Python)” on the Coursera platform.
- 145) Prof. A B Magar has completed 6 weeks course on “C for Everyone: Programming Fundamentals” on the Coursera platform.
- 146) Prof. A B Magar has completed 4 weeks course on “Introduction to the Internet of Things and Embedded Systems” on the Coursera platform.
- 147) Prof. A B Magar has completed 4 weeks course on The Arduino Platform and C Programming” on Coursera platform.
- 148) Prof. A B Magar has completed 6 weeks course on “Python Data Structures” on Coursera platform.
- 149) Prof. A B Magar has completed 4 weeks course on “Completed Coursera course on Introduction to Mechanical Engineering Design and Manufacturing with Fusion 360” on Coursera platform.
- 150) Prof. A B Magar has completed 4 weeks course on “The Raspberry Pi Platform and Python Programming for the Raspberry Pi.” on the Coursera platform.
- 151) Prof. A B Magar has completed 4 weeks course on “AI for Everyone” on the Coursera platform.
- 152) Prof. P N Kulkarni has attended SAE SUPRA workshop/ Formula Race held at Buddha International Circuit, Greater Noida, UP, India on 17th to 20th July 2019 organized by Maruti Ltd & SAE India.
- 153) Prof. P N Kulkarni has completed 8 weeks course on “Accreditation & Outcome based Learning” on the NPTEL platform.
- 154) Prof. P N Kulkarni has completed 8 weeks course on “NATE” on the NPTEL platform.
- 155) Prof. P N Kulkarni has completed 7 weeks course on “Python for Everybody (Getting started with Python)” on the Coursera platform.
- 156) Prof. P N Kulkarni has completed 4 weeks course on “Autodesk Fusion 360 integrated CAD/CAM/CAE” on the Coursera platform.



- 157) Prof. P N Kulkarni has completed 5 weeks course on “Introduction to Thermodynamics: Transferring energy from here to there” on the Coursera platform.
- 158) Prof. P N Kulkarni has completed 4 weeks course on “Material Science: 10 things Every Engineer should know” on the Coursera platform.
- 159) Prof. P N Kulkarni has completed 5 weeks course on “ Machine Design – I” on the Coursera platform.
- 160) Prof. P N Kulkarni has completed 1 week course on “BOSS Linux-Ubuntu” on the Spoken Tutorial, IITB.
- 161) Prof. P N Kulkarni has completed 1 week course on “Industry 4.0” on the TATA Steel.
- 162) Prof. P N Kulkarni has completed 1 week course on “Measuring Mechanical Instruments” on the TATA Steel.
- 163) Prof. P N Kulkarni has completed 1 week course on “Compressor” on the TATA Steel.
- 164) Prof. P N Kulkarni has completed 1 week course on “Fan & Blower” on the TATA Steel.
- 165) Prof. P N Kulkarni has completed 1 week FDP Webinar on EVs SAE India organized by NKOCET & SAE INDIA.
- 166) Prof. P N Kulkarni has completed 2 weeks International FDP on “Emerging Trends in Industry 4.0”organised” by JSPM's RSCOE, Pune.
- 167) Prof. P N Kulkarni has completed 2 weeks International FDP on “Emerging Trends in Industry 4.0”organised” by JSPM's RSCOE, Pune.
- 168) Prof. P N Kulkarni has completed Do-It-Yourself Product Re-Engg. Additive Manufacturing” on 6th and 7th May 2019 organized by Vasireddy Venkatreddy Institute of Technology, AP.
- 169) Dr. M S Dafedar has participated in one Week Workshop on “Practice Based Computational Fluid Dynamics” 23-12-2019 to 27-12-2019 organized by ICOER, JSPM, Wagholi Pune, Maharashtra.
- 170) Dr. M S Dafedar has participated online FDP on Research trends in thermal engineering, from 9-06-2020 to 13-06-2020 organized by BITM, Bellari, Karnataka.
- 171) Dr. M S Dafedar has participated “online FDP on NX Additive Manufacturing on 01-06-2020” organized by CADMAXX in association with SIEMENS, Bangeluru, Karnataka.
- 172) Dr. M S Dafedar has participated in “Online Webinar on Effective Utilization for Research Publications through Knimbus digital library on 1-06-2020” organized by Dr. P.G. Halkatti College of Engineering and Technology, Vijaypur, Karnataka. In association with Knimbus, Delhi.
- 173) Prof. S V Kumbar has participated in one week FDP on “Design And Development Of Electric And Hybrid



- Electric Vehicle Technology" organized by SAE India
- 174) Prof. S V Kumbar has conducted Expert Lecture on Quality control charts in SVIT Polytechnic Solapur.
- 175) Prof. A H Kamble has participated in STTP through ICT mode on Rural Development through Technical Institution organized by NITTTRK.
- 176) Prof. A H Kamble has participated in FDP on Student Induction organized by AICTE.
- 177) Prof. A H Kamble has participated in Online course on Digital Marketing organized by A Globsyn Business School.
- 178) Prof. A H Kamble has participated in TEQIP Sponsored one week online FDP on Industrial IoTs, Industry 4.0 & Disruptive Technologies organized by DBATU.
- 179) Prof. A H Kamble has participated in Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop organized by IIT Bombay.
- 180) Prof. R. J. Kyatam has participated in one week FDP on "BOSS Linux Training" on 15th to 22nd April 2020 organized by Spoken Tutorial Project, IIT Bombay.
- 181) Prof. R. J. Kyatam has participated in five day FDP on "Design and development of Electric vehicles and Hybrid Electric vehicles" on 12th to 16th May 2020 organized by SAEINDIA western section and NKOCET.
- 182) Prof. R. J. Kyatam has participated in two days workshop on "Vehicle dynamics" on 6th to 7th March 2020 organized by NKOCET.
- 183) Prof. R. J. Kyatam has participated short term course on "Industry 4.0" on 25th April 2020 organized by TATA Steel.
- 184) Prof. R. J. Kyatam has participated short term course on Basic Metallurgy" on 25th April 2020 organized by TATA Steel.
- 185) Prof. R. J. Kyatam has participated short term course on "Heat Treatment of steel" on 25th April 2020 organized by TATA Steel.
- 186) Prof. V V Birangane has participated in a one week TEQIP sponsored online FDP on "Application of FEA and CFD using Ansys" from 13/06/2020 to 17/06/2020., organized by Government College of Engineering, Karad.
- 187) Prof. V V Birangane ar has completed 8 weeks course on "Accreditation & Outcome based Learning" on the NPTEL platform.
- 188) Prof. V V Birangane has completed 8 weeks course on "NATE" on the NPTEL platform.
- 189) Prof. V V Birangane has completed 1 week FDP Webinar on EVs SAE India organized by NKOCET & SAE INDIA.
- 190) Prof. V V Birangane has participated in one week FDP on "BOSS Linux Training" on 15th to 22nd April 2020 organized by Spoken Tutorial Project, IIT Bombay.



7. FACULTY MEMBERS WORKED AS RESOURCE PERSON AT OTHER INSTITUTIONS

- 1) Dr. Shriniwas. S. Metan has conducted the Session on “Career Opportunities for Master's Degree in abroad university” in FE Student Orientation Program on 23/08/2019 at WCE Sangli.
- 2) Dr. Shriniwas. S. Metan has conducted the Session on “Career opportunities in Mechanical Engg. Domain” in FE Student Orientation Program on 24/08/2019 at SES Polytechnic Students
- 3) Dr. Shriniwas. S. Metan has conducted the Session on “Career Opportunities in Engineering” on 18/12/2019 at Vivek Vardhini Junior College, Padharpur
- 4) Dr. Shriniwas. S. Metan has conducted the Session on “Basic German Language Course(Level A1)” 18 students of NKOCET and other Institutes were present in December 2019 at NKOCET.
- 5) Dr. Shriniwas. S. Metan has worked as a Jury Member for the National Level Students Mahindra AWIM-2019 in October 2019 at Montessori English Medium School, Solapur.
- 6) Dr. Shriniwas. S. Metan has conducted the Session on “Career opportunities in Mechanical Engg. Domain” on 03/09/2019 at Maulana Azad Polytechnic, Solapur.
- 7) Dr. Shriniwas. S. Metan has conducted the Session on “Career opportunities in Mechanical Engg. Domain” on 03/09/2019 at Maulana Azad Polytechnic, Solapur.
- 8) Dr. B. K. Sonage has delivered expert talk on, “ Nanofluids: Alternative working fluid for heat exchanging devices” in one week STTP on Recent trends in heat exchangers on 17/12/19-21/12/19 at SKN Sinhgad College of Engineering, Pandharapur.
- 9) Dr. B. K. Sonage has conducted the Session on “Steam Boilers” and “Shear Force and Bending moment Diagrams” on 13/08/19 at Swami Vivekanand Institute of technology (Polytechnic), Solapur.
- 10) Prof. A.S. Kashid has conducted the Session on “Strength of Materials” on 24/8/2019 at Swami Vivekanand Institute of technology (Polytechnic), Solapur.
- 11) Prof. A.S. Kashid has conducted the Session on “Velocity and Acceleration in mechanisms” on 05/3/2020 at Swami Vivekanand Institute of technology (Polytechnic), Solapur.
- 12) Prof. S. V Kumbhar has conducted the Session on “Quality Control” on 06/3/2020 at Swami Vivekanand Institute of technology (Polytechnic), Solapur.
- 13) Prof. M. B. Awate has conducted Two Days Workshop on AutoCAD on 30th and 31st Jan 2020 at “Kai. Kalyanrao (Balasaheb) Ingale Polytechnic, Akkalkot” Students.
- 14) Prof. B.R. Birajdar has conducted Two Days Workshop on AutoCAD



on 30th and 31st Jan 2020 at “Kai. Kalyanrao (Balasaheb) Ingale Polytechnic, Akkalkot” Students.

- 15) Prof. S. S. Kale has conducted the Session on “Hydraulic and Pneumatic circuit” on 13/3/2020 at GP Solapur.
- 16) Prof. S. S. Kale has conducted the Session on “Recent trends in Automobile” on 23/8/19 at NKOCET.
- 17) Prof.C.V.Papade has conducted the Session on “Recent Trends in Refrigeration & Air Conditioning” on 16/01/2020 at Maulana Azad Polytechnic, Solapur.
- 18) Prof.C.V.Papade has conducted the Session on “Solar Thermal Systems” on 11/3/2020 at Govt. ITI , Solapur.
- 19) Prof.C.V. Papade has conducted the Session on “Solar PV Panel & Its Applications” on 7/2/2020 at SE Electrical Students, NKOCET Solapur.
- 20) Prof.C.V.Papade has conducted the Session on “Recent Trends in Solar Energy” on 24/3/2019 at 12th Science Students, Social Science College, Solapur

8. CONTRIBUTION OF FACULTY MEMBERS IN VARIOUS ACTIVITIES:

Following faculty members have extended Contribution towards department and college activities as additional responsibility.

Sr. No	Name of Faculty Members	Additional Responsibility
1	Dr. S. S. Metan	Study Abroad Cell/ Foundation Day/ NBA Coordinator/ Foreign Language Course
2	Dr. B.K. Sonage	NBA & NAAC/ FDP/ Research Grants/ Consultancy Work
3	Prof.A.S. Kashid	HR/RO/ Term work Coordinator/ Alumni Coordinator, NAACV Institute Level Coordinator, NBA Institute Level Co-Ordinator (Student Support Systems).
4	Prof. S. S. Kale	Boys Hostel/Academic Monitoring Member / ME Coordinator/ Class-Coordinator (TE-A)
5	Prof. N. R. Patil	Direct Second Year Admission Coordinator/ Proctor/ Diploma Connect
6	Prof. Y. B. Patil	Fire Fighting/ Direct Second Year Admission Coordinator /MESA/Dept. Library/ Class-Coordinator (SE-B)



7	Prof.C.V. Papade	R&D/Project Coordinator/ Attendance Monitor/ Time Table/ Class-Coordinator (BE-B)
8	Prof. V.V. Birangane	Aptitude Test/ Orchitect Dept./ Faculty & Staff Meeting/NPTEL
9	Prof. D. D. Bhoge	SAE/ ARAI/ Competitive Exam/ ICE Innovation Lab/ Carrier Counseling Cell Coordinator
10	Prof. S. K. Khillare	Ready Engineer Coordinator/ERP/ Archives/ Website Coordinator
11	Prof. M. B. Awate	Sports/ Stationary Incharge/ Test Coordinator/ Discipline/ CC of TE A/ DSE admission committee
12	Prof. B. R. Birajdar	Magazine/News, Publicity/ Parent Meet Coordinator/ Suggestion Box Incharge
13	Prof. A. B. Magar	Avishkar/ Orchitect/ Project/Library/ Expert Lecture/NBA

14	Prof. A. S. Dhobale	PMK/Training & Placement/ Spoken Tutorial/3DPLM/ DAB Co-Coordinator/ One of CII Departmental Coordinators
15	Prof. S. V. Kumbar	III Coordinator/ News Letter Coordinator
16	Prof. A. H. Kamble	NSS/Self Learning/ Industry Visit/ Seminar /Conference/W/S Attendance File
17	Prof. V. P. Kulkarni	Laboratory Incharge / Result Analysis
18	Prof. M. S. Dafedar	Workshop Incharge /Student Competition
19	Prof. A. K. Patil	Record Keeping/ POE Coordinator/ Result Analysis Class-Coordinator (SE-A)
20	Prof. P.N. Kulkarni	Annual Report/ Students Competitions/ Class-Coordinator (BE-A)

9. AWARDS WON AND SPECIAL ACHIEVEMENT BY THE STUDENTS AND FACULTY MEMBERS:

1. AICTE- CII Best Industry Institute Award : In AICTE - CII industry linked institute our institute is awarded Platinum Band again this year. Mechanical Engineering Department was amongst the top 36



shortlisted institutes for the final round, which was held on held Skype on 23/10/2019. Six jury members have conducted the interview. We have been ranked in Top Seven Mechanical Department amongst 714 participants from all over India.

2. Dr. Shrinivas S. Metan was invited as an Expert Panelist for the Second Edition of Knowledge Summit, a High Level Franco-Indian summit dedicated to higher education, research and innovation held on 17th & 18th October 2019 in Lyon, France.
3. Dr. Shrinivas S. Metan received the “Shikshak Ratna” (Best Teacher) award from the Kasaba Peth Ganapati Mandal on 5th September 2019.
4. Department received second time Praytna Research 1.5 LacsRs Funding from TTL for “The Development of Two Seater Solar Car”. Dr. Shrinivas S. Metan is Principal Investigator for this funding.
5. 3D Scanning Machine 3,50,000/- (Three Lakhs Fifty Thousand Rs) funding was received from the Dassault Systems Ltd, Pune. Dr. Shrinivas S Metan is the Chief investigator for this funding.
6. Dr. B.K. Sonage received “Best Faculty Member Award of NK Orchid college of Engg. and Tech., Solapur for academic year 2018-19”, on 5th September, 2019.

7. Dr. M.S. Dafedar was awarded with Ph.D. in Mechanical Engineering in July 2019 from VTU Karnataka.
8. Prof. A.S. Kashid has got best project award for the project “Design and Development of Cloth Duster for Cloth Industries “in Annual Project Competition for A.Y. 2018-19.
9. A Lab Setup for “PLEXP Faculty Advisors” funded by Dassault Systems La Fondation. High configured Desktops (LENOVO Work Stations) with 3D Experience License Copies. Funding worth 6,50,000/- (Six Lakhs Fifty Thousand Rs) for PCS and @ 8,00,000/- (Eight Lakhs Rs.) for the software license by Dassault Systems La Fondation. Dr. Shrinivas S Metan, Prof. A.B. Magar, Prof. Vaibhav P Kulkarni and Prof. P.N. Kulkarni are the PLEXP Faculty Advisors.
10. Dr. N R Patil and Dr. B.K. Sonage are recognized as, “Ph.D Guide of DBATU, Lonere” under the faculty of Engineering and Technology by the approval of academic council of DBATU, Lonere.

10. NEW INITIATIVES:

1. Mechanical Engineering Department has organized first SAE Students Convention as a Local Chapter. In this, six different technical events were conducted. Total 60 students participated in this event from FE to BE class (Mechanical, Electrical Department)
2. Mechanical Engineering Depart-



ment of NK Orchid College of Engineering and Technology Solapur and SAE India has organized the first on-line Five Day Faculty Development Webinar on "Design and Development of Electrical and Hybrid Electric Vehicle". Total 137 faculty and industry participants from 12 states and 16 cities from Maharashtra State participants were present for five days daily 2pm to 4:30pm. It was a National Platform where NKOCET has organized the event. Prof.D.D.Bhoge, Prof. Vaibhav Kulkarni played important role and were the key members for conducting this FDP. Dr.Shriniwas S Metan was the Convener and Speaker for this FDP.

3. One week On-line Students/ Faculty/ Industry Internship Program conducted by Mechanical engineering department on, "Product Design - Design Thinking/ Innovation/Autodesk Fusion 360". It is conducted on line platform from 8th to 12th June 2020. More than 400 participants from Maharashtra and Karnataka participated in the course which includes faculty, working professionals and students from various institutes. The program and entire course was coordinated by Prof. V. P. Kulkarni, Prof. A. S. Dhobale and Prof. P. N. Kulkarni along with student coordinators Mr Siddheshwar Madole (Autodesk Catalyst) and Mr Vishwesh Patil from Third Year Mechanical. Prof. V.

P. Kulkarni and Prof. A. S. Dhobale were the conveners of this FDP.

4. Department has organized Industry Expert Sessions for the First Year Engineering students to create interest and awareness about Mechanical Engineering field. Different Domain experts from various industries have conducted daily 1Hr sessions and then 30 minutes Q&A. Different domain such as Indian Army, Thermal, Design, Manufacturing Domain were briefed.
5. Faculty members developed e-content/ recorded videos of various subjects and made available to students through YouTube.
6. Faculty members created recorded video for diploma connect activity and circulated to various Diploma colleges.

11. PAPER PRESENTATION & PRIZES WON BY THE STUDENTS IN VARIOUS COMPETITIONS.

Sr. No	Name of Student & Class	Title of workshop/ seminar/ conference	Organized by
1	Sourabh Phutane Tejas Pathak Zishan Pathan Kiran Patil	Best project award for the project "Design and Development of Cloth Duster for Cloth Industries" in Annual Project Competition for A.Y. 2018-19.	NKOC ET



12. PARTICIPATION IN NATIONAL LEVEL TECHNICAL COMPETITIONS:

1. Team ASHAWMEDH secured 45th Rank at Supra SAE India Student Formula Race Car Competitions held at Greater Noida, Uttar Pradesh from 15th to 20th July 2019. Total 24 students & 2 Faculty members Prof.P.N.Kulkarni and Dr. Shrinivas S Metan were mentors and accompanied the team.
2. Product AASAN developed by Third Year Mechanical Engineering students, Mr.Siddheshwar Madole, Vishvesh Patil and Rishikesh Lagali bagged 1st Prize at National Level Autodesk Social Impact Challenge held at Bangalore on 22nd February 2020. They received a prize money of Rs 25000 and Certificate. Prof Vaibhav Kulkarni and Dr.Sandeep Bhagwat, Physiotherapist from Solapur guided them.
3. Rishikesh Sagari (TE-B Mech.) has received Second Prize in Project competition held at Global Village Campus at Boramani. Project Title:- Solar Operated Milk Pasteurization System. They received a prize money of Rs 1600, Memento and Certificate. Prof. C.V.Papade was the guide.
4. Mr.Siddheshwar Madole acquired Platinum Member at AutoDesk Ambassador Hub. He was selected as an intern for AutoDesk Catalyst with stipend Rs 15000 per month.
5. Second Year Mechanical Engg.

student Mr Nalband has completed his Industrial training in the international firm Al Ezzel company Al dur plant Bahrain for one month.

13. MECHANICAL ENGINEERING STUDENTS

ASSOCIATION (MESA):

- A) Following students were elected as the office bearers of MESA for the academic year 2019-20.

Post	Name of Student
President	Rishikesh Mone (BE-B)
Secretary	Bansode Maruti (BE-A)
Vice-President	Abhishek Bhosale (TE-B)
Joint- Secretary	Gavali Supriya (TE-A)
Treasurer	Vaishnavi Gadagi (TE-A)
MESA Cultural Coordinator	Saurabh V. Katare (TE-B)/ Vidya N. Nama (TE-B)
MESA Technical Coordinator	Aslam Shaikh (TE-B)/ Nasreen Shaikh (TE-B)
MESA Sports Coordinator	Akash Math (TE-A)
Food Coordinator	Pratik Bhadkumbhe (TE-A)
Discipline Coordinator	Adarsh Kamble (TE-B)



B) Expert Lectures Arranged By Mesa For The Students:

Following lectures were conducted for the students.

Sr. No.	Name Expert	Topic
SE		
1	Miss. Madhurima Neel Patil, KSB Pump, Pune	Pump Design
2	Mr. Anand Pujari, Education Account Manager, Auto Desk Education Experience, Bangalore.	Preparing for Mechathon Competition
3	Mr. Kirat Bidkar, Proprietor, Precise Engineers, Solapur	Design, Drafting & CNC Machining.
4	Mr. Dhawal D. Thakkar, Product Manager, Data M Sheet Metal Solutions, Pune	Opportunities in CAD/CAM & CAE
5	DR. Gajanan V. Parishwad, HOD Mechanical, COEP, Pune	Overview of Global & Indian Energy Scenario with focus on Solar Energy
6	Dr. Vilas Kulkarni, MD, GOD-WILL Management Company, Pune.	Art of Self presentation through innovation

7	Mr. Iranna Salimath, Managing Director, Radheya India Pvt Ltd., Pune.	Career Opportunities and Preparation for it.
8	Mr. Rajesh Chavan, Founder Jeevan Sanjeevani, Manav Sanshodhan & Vikas Sanstha.	Personality Development
TE		
9	Mr. Ramesh Pasarija, Deputy Director, SAE India WS, Pune	Automotive Filtration
10	Mr. Hemant Gadgil, Executive Director La Foundation Dassault System, Pune.	Career Planing
11	Mr.S.E.Kulkarni, Project Manager, Training & Advisory Cell, Thermax Ltd. Power Division (O&M), Pune.	Steam Turbine
12	Mr. Vijay C. Gunge, Founder Trend Innovations, Pune.	Recent Trends in Boiler & Condenser & its Performance improvement Methods.
13	Mr. Hemant Gadgil, Senior Director Academia Programs, Dassault Systems-India	Preparing for the future



14	Mr. Natha Bhosale, Laxmi Control Pvt. Ltd., Solapur	Experience Sharing of Company
15	Prof. Shrikant G. Pawar,	Performance of Automobile
16	Mr. Pradip Katariya, Managing Director, Saurabh Flexipack Systems, Pune	Opportunities in Packaging Industry
17	Mr. Satish Aralkar, Manager, IBM India Pvt Ltd., Pune.	Opportunities in Software Industry
18	Mr. Prasad Marathe, Manager, TIETO India Pvt. Ltd, Pune.	Opportunities in Software Industry
19	Mr. Gajanan Bijjaragi, Laxmi Control Pvt. Ltd, Solapur.	Experience Sharing of Company
20	Mr. Ramesh Kotanur, Supplier Quality- New Development Manager, Maruti Suzuki India Ltd, Gurgaon.	Requirements of Industry & Future of Automobile Industry
21	Prof. Suhas Jagtap, WCE, Sangli.	Recent Trends in Gas Turbine 28/09/2017
22	Prof. M. S. Deshpande Principal, SVIT, Solapur.	Professional Ethics and Human Values

BE		
23	Mr. Chaitnya Kulkarni, Project Manager, Vardeland Industries, Pune	Industry Requirements for Placements.
24	Mr. Anand Dulange, Assistant Manager, Johnsons Sontrols, Pune	Industry Requirements for Placements.
25	Miss. Madhurima Neel Patil, Assistant Manager, KSB Pump, Pune	Pump Design
26	Mr. Jagadish V.K., TATA Power, Bengalore	Project Management and Inventory
27	Mr. D. K. Bera, Head- Training & Advisory Cell, Thermax Power Division (O&M), Pune.	Opportunities for Mechanical Engineers in Thermax
28	Mr. S. E. Kulkarni, Project Manager, Training & Advisory Cell, Thermax Ltd. Power Division (O&M), Pune	Operation and Maintenance Aspects of Thermal Power Plant
29	Mr. D. K. Bera, Head- Training & Advisory Cell, Thermax Power Division (O&M), Pune	Operation and Maintenance Aspects of Thermal Power Plant



30	Mr. S. E. Kulkarni, Project Manager, Training & Advisory Cell, Thermax Ltd. Power Division (O&M), Pune	Design and Maintenance of Boiler
31	Prof. Swapnil Ghogardare, TPO & Assistant Professor DY Patil College of Engg., Akurdi, Pune	Preparation for Future Placement Opportunities

C) Other Activities Conducted By MESA:

Sr. No.	Event	Date
1	Inauguration of MESA	27/09/ 2019
2	Celebration of Teacher's day	05/09/ 2019
3	Fresher's Party for the new comers	16/10/ 2019
4	Celebration of Engineer's day	15/09/ 2019
4	Go Green session by Mr. Parag Bhayani in ARC Hall to create awareness and enthusiasm among students to choose Bicycle over fuel based transportation.	05/02/ 2020

5	Saksham (Savrakshan) – 2020, which is coordinated by Petroleum Conservation Research Association (PCRA) with active involvement of the Oil & Gas PSUs i.e. IOC, BPC, HPC & GAIL.Mr. Santoshkumar Nivendkar, General Manager (Retail) (State Level Coordinator Maharashtra & Goa, Bharat Petroleum) conducted the session.	04/02/ 2020
6	150 th Birth Anniversary of Mahatma Gandhiji.	01/10/ 2019

D) Industrial Visits

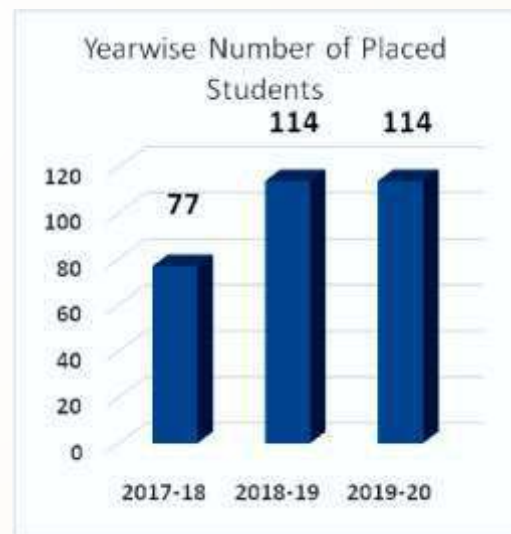
Sr. No.	Class	Industrial visit	Accompanied by
1	BE	Dudh Pandhari, Kegaon Milk Plant, Solapur. (6/9/2019)	Prof.C.V.Papade, Prof. A.B. Magar, Prof.M.S.Dafedar, Prof.P.N.Kulkarni, Prof.V.V. Bamane & Prof. S. B. Nadaf.
2	TE	Laxmi Drucken Komponents Pvt. Ltd. MIDC Chincholi, Solapur (14/01/2020)	Prof.V.P. Kulkarni Prof.M.S. Dafedar Prof. A.H.Kamble, Prof. Y. B. Patil Prof. Rohan Kytam



3		Morval Engineering Pvt. Ltd. MIDC Chincholi, Solapur (14/01/2020)	Prof. V. P. Kulkarni
4		Sujal Rotoplast. MIDC Chincholi, Solapur (14/01/2020)	Prof.V.P. Kulkarni Prof.M.S. Dafedar Prof.A.H. Kamble, Prof. Y.B. Patil Prof. Rohan Kytam
5		38 MW Cogeneration power plant at Shri. Siddheshwar Sugar Factory, Solapur	Prof. C.V.Papade Prof.V.V.Birangane Prof.S.S.Kale, Prof.V.V.Bamane
6	SE	P P Patel & Co. Tamalwadi (11.07.2019)	Prof.V. P.Kulkarni Prof. S.K. Khillare Prof. A.H. Kamble Prof. S.S. Kale
7		Thirumala Precicast Ule (11.07.2019)	Prof.V.P. Kulkarni Prof. S.K. Khillare Prof. A.H. Kamble Prof. S.S. Kale
8	SE & TE	Mahindra and Mahindra, Chakan Plant, Pune on 11/10/2020 (47 Studetns)	Dr.Shriniwas S Metan Prof.D.D.Bhoge Prof.P.N Kulkarni
9	SE & TE	ARAI, Pune on 12/10/2020 (46 Studetns)	Prof.D.D.Bhoge Prof.P.N Kulkarni

14. TRAINING & PLACEMENT:

Placement is one of the very important activities of the department. The placement season of department started with preparation for placement drives of MNCs like Tata Consultancy Services, Cognizant, Infosys with rigorous efforts on aptitude and programming Department continues its tradition of excellent placements in this academic year too. Our students got placed in reputed industries like Tata Consultancy Services, Cognizant, Infosys, Advik Hi-Tech Pvt. Ltd, Grey Atom, Dhoot Transmissions. Campus placement drives of many companies from different sectors were organized for students in which they proved their strength and bagged total 114 offerstill August 2020. The placement drives are still going on for these students.



The above table shows the placement graph of Mechanical Engineering Department in this academic year 2019-20.

The renowned companies in which students from current batch got placed are



1. Tata Consultancy Services
2. Aqua Chill Systems India Pvt. Ltd, Pune
4. Advik Hi Tech Ltd., Pune
5. Infosys
6. Grey Atom
7. Dhoot Transmissions, Pune
8. Balaji Enterprises Pvt. Ltd. Pune
9. BYJU's
10. Ronch Polymers, Pune
11. Q-Spiders, Pune

Also, students got opportunity to appear for Indian Navy, DXC Technologies Bangalore, Merchant Navy (SIMS, Lonavala). For every drive company specific training is arranged in which students are provided with the exposure to relevant subjects to revise the concepts and increase the chances of selection. In COVID-19 situation also department continued its efforts by organizing online placement drive of Saurabh Flexipack Systems, Pune and also continues its efforts of training by online Pre-placement Workshop.

15. SOCIAL ACTIVITIES BY THE STUDENT:

Students from Mechanical engineering department have participated in the various activities conducted by NSS. Around 50 students have donated blood in the blood donation camp.

16. PRACTICAL ACTIVITY

- a. Mr. Pawar K P completed dissertation on "Evaluation of Heat Transfer and Pressure Drop Characteristics of Green Nano fluids" under the guidance of Dr. Sonage B K.

- b. Mr. Bhosale A B completed dissertation on, "Development of test set up for determination of thermal conductivity of liquids" under the guidance of Dr Sonage B K.
- c. Mr. Mahesh Mali completed dissertation on "Performance Evaluation of IC Engine with Preheated Diesel" under the guidance of Prof. S. S. Kale
- d. Mr. Ranavare Vinod Ramchandra completed dissertation on "Performance analysis of C.I. engine by using two oils blended with diesel as alternative fuel" under the guidance of Prof. S S Kale.

17. NPTEL COURSES

During July- October 2019, NPTEL conducted various online courses. Out of that, 7 courses were selected for Mechanical Engineering students. Students registered for different online courses. For each course, faculties were assigned as mentor for respective students. Total 263 students enrolled for the above courses. For the current semester (Jan- Apr 2020) 6 courses were selected. Total 181 students enrolled for the above courses.

All faculties from Mechanical Engineering Dept. also appeared and successfully completed a course "Accreditation and Outcome based Learning" from NPTEL during July –October 2019. Prof. A.B.Magar was ranked amongst the top 5% of faculty members in that course. During current semester (Jan- Apr 2020) all faculties



appeared for the course “NBA Accreditation and Teaching- Learning” in Engineering.

18. PARENT MEET

First Parent Teacher Association (PTA) meet for academic year 2019 – 2020 was held on 31st August 2019. Dr. Shrinivas S Metan briefed about our college achievement for academic year 2018-19, review of the activities & happenings in Mechanical Engineering Department for academic year 2018-19, briefed about Study Abroad Cell.

First Parents meet was conducted for S.E & T.E. class parents on 8th February 2020 in BE-A class. There were total 84 parents present for meeting. (Out of that 62 parents from S.E and 22 Parents from T.E.)

Second Parents Meet was conducted through online (Zoom Platform) on 29th May (Friday) 2020 for T.E.-A and on 30th May (Saturday) 2020 for T.E.-B. There were total 61 participants present for TE-A class meeting and, 74 participants were present for TE-B class meeting.

S.E. Parents meet was conducted on 04th June (Thursday) 2020 for S.E.-A and on 05th June (Friday) 2020 for S.E.-B. There were total 35 participants present for SE-A class meeting and, 53 participants were present for SE-B class meeting.

There was at length discussion about students' performance in this semester and student's appreciation for good results in exam from their parents. Also, we briefed about the placement activity during academic year 2019-20 and discussed about detail schedule of PPW

session & Test to enhance the skills of the students. Parents were happy about efforts taken by Mechanical Engineering department for students Industrial Training & Placement activity.

Prof. B.R. Birajdar coordinated all the Parents meet with respective class coordinators.

19. WORKSHOP CONDUCTED FOR MECHANICAL ENGINEERING STUDENTS

- a. The department organized “Student Expert Boot camp” for 3 days in the month of January 2020. It was a good opportunity for the students in and around Solapur region to utilize resource person's knowledge from AutoDesk.
- b. Mechanical Dept. and SAEINDIA Western Section has arranged Two Day Workshop on “Vehicle Dynamics” on 6th and 7th Mar 2020, for SAEINDIA Students and Faculty Members. Mr. Ravindra Kolhe (Director, NBT Pune) was the Speaker. Total 24 students and 10 Faculty attended the workshop. Dr. Shrinivas S Metan worked as a Convener and Prof. D. D. Bhoge worked as a Coordinator for the Workshop.
- c. Mechanical Dept. and SAEINDIA Western Section has arranged One Day Workshop on “Master Teachers Training Program” on Saturday, 13/07/2019, for school teachers and Student volunteers.

Mr. Sagar Murugkar (Manager



SAEINIDA WS) and Prof. D. D. Bhoge Trained the School teachers and Volunteers in Jet toy and Skimmer competition. Total 29 School teachers and 12 volunteers attended the workshop. Prof. D. D. Bhoge worked as a Coordinator and Trainer for the Workshop.

d. NKO CET and SAEINDIA Collegiate Club had organized one day (Tier-I) Competition in following categories for NKO CET Student.

1. Business Plan
2. Auto Quiz competition
3. Modeling and Animation
4. Welding
5. Internet of Things
6. Solar Circuit Designing

Total 41 Student Participated in it.

Winning team will get direct chance to participate in Tire-III competition which will be held in Pune. Dr. Shrinivas S Metan worked as a Convener and Prof. D. D. Bhoge worked as a Coordinator for student Convention 2020 (Tier-I).

20. PATENT FILING

1. Prof. A. S. Kashid has filed a patent for the project “Design and Development of Cloth Duster for Cloth Industries”.
2. Prof. V. P. Kulkarni has filed a patent on “A Seat for Back-pain” along with the students Siddheshwar Madole, Vishvesh Patil, Rushikesh Lagali and Dr. Sandeep Bhagwat. The Provisional Patent Number is 202021030943
3. Prof. V. P. Kulkarni has filed one

more patent on “A device for Smart Washroom” along with the students Siddheshwar Madole, Vishvesh Patil, Rushikesh Lagali and Dr. Sandeep Bhagwat. The Provisional Patent Number is 202021025367.

(Dr. Shrinivas. S. Metan)

Head

Department of Mechanical Engineering



General Engineering Department



Prof. S.D. Jadhav

I am pleased to present the Annual Report of General Engineering Department for the academic year 2019-20.

1) ACADEMIC PERFORMANCE

The students have shown excellent performance in DBATU University Examination.

Result of F.E classes of April/May 2019 examination are as follows:

Students Achievements:

Toppers (Academic Year 2018-19)

Rank	Name of student	Branch	CGPA
1	SHRIGANI RUSHIKESH CHANAMALAPPA	CSE	9.51
2	HARKE VINAY VIJAYKUMAR	CSE	9.46
3	GUMATE SMITA PRADIP	CSE	9.27
4	WALE SUJEET YESHWANT	Mech.	9.16
5	YEMUL SHRUTI AMBADAS	CIVIL	9.14
6	PATIL VAISHNAVI ANIL	Electrical	9.11
6	PATIL SAMRUDDHI RAJKUMAR	Electrical	9.11
6	KALSHETTI ABHISHEK VIJAYKUMAR	E&TC	9.11

6	LIGADE ANKITA PRAKASH	CIVIL	9.11
7	POOJA RAJKUMAR BIRAJADAR	E&TC	9.08
8	PRATIK IRESH MABRUKHANE	Electrical	9
8	AKANKSHA SANTOSH DHAGE	CSE	9
8	KINAGI SHRISHAIL ARVIND	CSE	9
8	NALLA RAJESH NARENDRA	E&TC	9
8	MOHINI GILBILE	Mech.	9

2) FACULTY ACHIEVEMENTS:

- 1) Dr. M.S.Shaikh was awarded Ph.D. degree in "Nostalgia In The Novels Of Jane Urquhart: A Study" from Shivaji University, Kolhapur.
- 2) Prof. Shivaji Chavan received Award of Excellence for Meritorious contribution in Teaching at NKOCET, Solapur.
- 3) Prof. Shivaji Chavan qualified SET Exam (English).
- 4) Prof. U.K. Jadhav qualified SET Exam (English).

3) FACULTY PUBLICATIONS:

- 1) Dr. G. D. Khuspe "Processing Temperature Dependent Chemiresistive Performance of Spin-Coated Cerium Oxide Films" Materials Chemistry and Physics, 224, 85-92, 2019.
- 2) Prof. P.A. Ubale "In vitro anticancer activity of 4(3H)-Quinazolinone derived Schiff base and its Cu(II), Zn(II) and Cd(II) complexes: Preparation, X-ray structural, spectral characterization and theoretical



investigations". Inorganica Chimica Acta (Elsevier Publication). Manuscript No. ICA_2020_473.

2) Prof. P.A. Ubale presented a paper titled, "Synthesis, Characterization and Theoretical Investigation of 4(3H)-quinazolinone derived Schiff Base and its Ni(II) and Cd(II) metal complexes," in International Conference on Recent Advances in Physical and Chemical Sciences held at Sangola College, Sangola on 22nd Jan 2020.

3) Dr. Ganesh D. Khuspe presented a paper titled "Polyaniline@ α -Fe₂O₃ Hybrid Nanocomposite: Synthesis, Characterization and Room Temperature NH₃ Gas Sensing Properties", in International conference at Visegrad, Budapest, Hungary.

4) Prof. A.V. Sadlapurkar presented a paper titled "Extraction and spectrophotometric determination of Cu using 2 chloro benzaldehyde thiocarbohydrazone" at a Conference in Department of Chemistry, Shivaji University, Kolhapur on 6th and 7th May 2020.

4) FACULTY INTERACTION WITH OTHER INSTITUTIONS

1) Dr. G.D. Khuspe conducted online session for Jr. College and High school Teachers on "Use of Online Platforms and Applications" on 18th April 2020.

2) Dr. G.D. Khuspe conducted Online You Tube live session on "CET Online Preparation" for 12th aspirants on 5th May 2020.

3) Dr. G.D. Khuspe, Dr. I.A.

Shaikh, Prof. M.T. Ingale, Prof. P.A. Ubale and Prof. A.P. Savant, conducted "Hands on Training on Virtual Labs" for High school teachers in Solapur City on 7th May 2020.

4) Dr. G.D. Khuspe conducted guest lectures on "Career Opportunities after 12th" to 12th aspirants- at Solapur, Barshi, Osmanabad, Tuljapur and Mandrup in Dec.2019.

5) Dr. I.A. Shaikh Conducted a guest lecture on "Mathematics" at St. Joseph Junior College Solapur on 12th Dec.2019.

6) Dr. M.S. Shaikh conducted a guest lecture on "Time Management and Stress Management" at Kendriya Vidyalay Junior College, on 17th Dec.2019. Pangal Junior College on 30th Nov 2019 and Kamrunisa Junior College on 1st Nov 2019

7) Prof. S.D. Jadhav conducted a guest lecture on "Career Opportunity after 12th" Lectures to 12th aspirants- Chandak Jr. College Bale, Jr.college on 12th Dec.2019.

8) Prof. U.K. Jadhav conducted a guest lecture on "Time Management and Stress Management" at Arnav College, Vairag on 10th Dec.2019.

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

1. Prof.S.D.Jadhav

- 8 week NPTEL course "Accreditation & Outcome Based Learning" organized by IIT Kharagpur (Aug-Oct2019).
- One week workshop on "Applications of Algebra and Analysis"(Jun 2020)



- One day workshop on online teaching learning and assessment.
- DBATU 5 days Workshop on Mental Health Awareness during Covid-19 on "Maintaining Mental Health During Turbulence" from 6th May to 10th May 2020
- One week workshop on "Students Induction Programme" organised by AICTE.
- One day workshop on developing e-content by Devkiba College Mumbai.
- Three days workshop on Education 4.0.
- One week workshop on Industry 4.0
- Webinar on "Recent Research in Fuzzy Mathematics

2. Dr. G.D. Khuspe

- 8 week NPTEL course "Accreditation & Outcome Based Learning" organized by IIT Kharagpur (Aug-Oct 2019)
- Workshop on "ICT Tools for Effective Teaching Learning" organized by Swami
- Ramanand Teerth Marathwada University, Nanded
- Workshop on Managing Online Classes and Co-Creating MOOCs : 2.0 organized by Ramanujan College, Delhi University
- Webinar on 'Importance of Association with Professional Organizations for OBE' organized by WCE, Sangli on 30th April 2020
- Online webinar on "The inspiring World of Nano Material" by Merk Goodfellow
- FDP on 'MOOC, e-content e-learning in Higher Education' by

GFGCW Chamarajpet, Bangalore on 13th May 2020

- DBATU 5 days' Workshop on Mental Health Awareness during Covid-19 on "Maintaining Mental Health During Turbulence" from 6th May to 10th May 2020
- One day workshop on "C & C++" organized by Teaching Learning Centre (ICT) at IIT Bombay on 29th Feb 2020

3. Dr.M.S.Shaikh

- One day National Workshop on Professional Development by ELTAI Solapur chapter and Dept. of English Sangameshwar College, Solapur on 4th August 2019
- 8 week NPTEL course "Accreditation & Outcome Based Learning" organized by IIT Kharagpur (Aug-Oct 2019).
- Workshop on "Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop" organized by Teaching Learning Centre (ICT) at IIT Bombay.
- Three weeks 8 Credit Course on: WhatsApp Outcome Based Education Faculty Development Program by D Y Patil College of Engineering, Akurdi Pune from March 24 to April 14, 2020
- Webinar on "Engaging and Motivating students through visible progress" by Cambridge at Home, Cambridge University press
- DBATU 5 days Workshop on Mental Health Awareness during Covid-19 on "Maintaining Mental Health During Turbulence" from 6th May to



- 10th May 2020
- 2days International Webinar on “Imagination, Expression, Transformation Creating the Worlds with Words.” On 23rd and 24th May 2020.
- 5 Webinars of Cambridge at Home by Cambridge University Press in May 2020.

4. Prof. S.U.Chavan

- 8 week NPTEL course “Accreditation & Outcome Based Learning” organized by IIT Kharagpur (Aug-Oct 2019).
- Workshop on “Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop” organized by Teaching Learning Centre (ICT) at IIT Bombay.
- International Webinar on “Leadership Skills”
- DBATU 5 days Workshop on Mental Health Awareness during Covid-19 on "Maintaining Mental Health During Turbulence" from 6th May to 10th May 2020

5. Prof. Mrs. A.V. Sadlapurkar

- 8 week NPTEL course “Accreditation & Outcome Based Learning” organized by IIT Kharagpur (Aug-Oct 2019).
- Workshop on “Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop” organized by Teaching Learning Centre (ICT) at IIT Bombay.
- One day workshop on “C & C++” organized by Teaching Learning Centre (ICT) at IIT Bombay on 29th Feb 2020

- International E-Conference on “Strategies & Challenges in Higher Education during COVID-19 Lockdown Period in India with reference to the World” organized by Government Vidarbha Institute of Science & Humanities Amravati from 15th to 17th May 2020.
- International Level Web Conference on 'New Pathways in Chemistry' Organized by the Department of Chemistry of N. G. Acharya & D. K. Marathe College of Arts, Science & Commerce on 23rd and 24th May 2020.
- Webinar on “Use of Construction Chemicals in Construction Industry” organized by Department of Civil Engineering, Rajarambapu Institute of Technology, Rajaramnagar (RIT) on 20th May 2020.

6. Prof. Mrs. P.A. Ubale

- 8 week NPTEL course “Accreditation & Outcome Based Learning” organized by IIT Kharagpur (Aug-Oct 2019).
- Workshop on “Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop” organized by Teaching Learning Centre (ICT) at IIT Bombay.
- One day workshop on “C & C++” organized by Teaching Learning Centre (ICT) at IIT Bombay on 29 Feb 2020
- Virtual Conference on “Materials for Energy Harvesting and Catalysis” organized by TIFR, Mumbai and IISER, Kolkatta from 1st - 3rd May 2020.



- International E-Conference on “Strategies & Challenges in Higher Education during COVID-19 Lockdown Period in India with reference to the World” organized by Government Vidarbha Institute of Science & Humanities Amravati from 15th - 17th May, 2020
- International Level Web Conference on 'New Pathways in Chemistry' organized by Department of Chemistry of N. G. Acharya & D. K. Marathe College of Arts, Science & Commerce on 23rd & 24th May 2020
- International webinar entitled “NANO - THE TINY WARRIOR”- Engineering Nanomedicine and Drug Delivery System organized by Department of Chemistry, Kongu Engineering College, Tamil Nadu on 30th May 2020
- Webinar on “Post Covid_19: Science and Technology” organized by SRM University, Andhra Pradesh on 29th May 2020
- Online FDP on “Chemistry Significance in Engineering, Pharmacy, Nanotechnology and Environment” organized by Pragati Engineering College, Andhra Pradesh from 2nd to 6th June 2020
- One Day Online Conference on “Chemistry and Environment Interface” organized by Department of Chemistry, Arts, Commerce and Science College, Lanja, Ratnagiri on 5th June 2020

7. Prof. M.T. Ingale

- 8 week NPTEL course

“Accreditation & Outcome Based Learning” organized by IIT Kharagpur (Aug-Oct 2019).

- DBATU 5 days Workshop on Mental Health Awareness during Covid-19 on "Maintaining Mental Health During Turbulence" from 6th May to 10th May 2020
- 3 days workshop on Education 4.0
- Webinar on NBA process and Margdarshan Scheme

8. Dr. I.A. Shaikh

- 8 week NPTEL course “Accreditation & Outcome Based Learning” organized by IIT Kharagpur (Aug-Oct 2019)
- DBATU 5 days Workshop on Mental Health Awareness during Covid-19 on "Maintaining Mental Health During Turbulence" from 6th May to 10th May 2020

9. Prof. A.H. Kangale

- 8 week NPTEL course “Accreditation & Outcome Based Learning” organized by IIT Kharagpur (Aug-Oct 2019)
- Online workshop on exam reforms by AICTE
- Webinar on “Result Analysis” organized by DBATU
- Webinar on “Recent Research in Fuzzy Mathematics”
- DBATU 5 days Workshop on Mental Health Awareness during Covid-19 on "Maintaining Mental Health During Turbulence" from 6th May to 10th May 2020

10. Prof. N.L. Mane

- Short Term Training Programme through ICT Mode on “NBA



Accreditation” organized by National Institute Of Technical Teachers Training & Research, Kolkata from 22/4/2019 to 26/04/2019.

- 8 week NPTEL course “Accreditation & Outcome Based Learning” organized by IIT Kharagpur (Aug-Oct 2019).
- Workshop on “Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop” by Teaching Learning Centre (ICT) at IIT Bombay.
- One day workshop on “C & C++” organized by Teaching Learning Centre (ICT) at IIT Bombay on 29th Feb 2020
- 3 days “Online Learning” workshop organized by QASPIR held on (1st – 3rd April 2020).
- 3 days online workshop on “Education 4.0” organized by Atharva College of Engineering, Mumbai held on (28th– 30th April 2020)
- Completed 3 days online FDP on MOODLE organized by VIT, Chennai & Spoken Tutorial IIT Bombay from 13 May 2020 to 15 May 2020.
- Online workshop on “LateX” jointly organized by MIT college of Railway Engineering & Research Barshi and Spoken Tutorial Project , IIT Bombay from 14 May 2020 to 17 May 2020.
- Online FDP on “Fuzzy sets & Systems” organized by Dept. of mathematics of Patrician College of

Arts & Science, Chennai held on 16 May 2020

- National Level webinar on “Smart use of Mathematics” held on 31 May 2020 organized by Dept. of First Year Engineering, Dhole Patil College of Engineering, Pune.
- DBATU 5 days Workshop on Mental Health Awareness during Covid-19 on "Maintaining Mental Health During Turbulence" from 6th May to 10th May 2020

11. Prof. U.K. Jadhav

- 8 week NPTEL course “Accreditation & Outcome Based Learning” organized by IIT Kharagpur (Aug-Oct 2019).
- DBATU 5 days Workshop on Mental Health Awareness during Covid-19 on "Maintaining Mental Health During Turbulence" from 6th May to 10th May 2020
- FDP on “Incorporating Universal Human Values in Technical Education” organized by DBATU from 13th May to 17 May 2020
- DBATU 5 days Workshop on Mental Health Awareness during Covid-19 on "Maintaining Mental Health During Turbulence" from 6th May to 10th May 2020

CONTRIBUTION OF FACULTY MEMBERS IN VARIOUS DEPARTMENT & INSTITUTE LEVEL ACTIVITIES

Sr. No.	Name of faculty	Contribution
1	Prof. S.D. Jadhav	Head, Dept. General Engineering Core- Committee member



2	Dr. I.A. Shaikh	Admission Coordinator
3	Dr. G.D. Khuspe	NBA Coordinator for FE
4	Prof. Mrs. A.V. Sadlapurkar	Term work and Internal marks Coordinator
		Ladies Hostel Rector
5	Dr. M.S. Shaikh	Academic Plan Coordinator
		Magazine Coordinator
6	Prof. A.H. Kangale	Result Analysis Coordinator
		Exam Coordinator
7	Prof. Mrs. P.A. Ubale	Parent Teacher Association
		Parents meet coordinator
		ERP Coordinator
8	Prof. Mrs. M.T. Ingale	Psychological counseling coordinator
		AMC Coordinator Student's Stationary
9	Prof. S.U Chavan	College Magazine Co-ordinator
		Motivational Lecture Co-ordinator
10	Prof. N.L. Mane	Time Table Coordinator Website Coordinator
		Archive Coordinator
11	Prof. U.K. Jadhav	Induction Program Coordinator
		Internship Coordinator
12	Prof. A.P. Savant	Study session Coordinator

9) STUDENT DEVELOPMENT PROGRAMS: -

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

b) Induction Programme:- Induction program of 21 days was conducted comprising of various activities like making hands dirty, best out of waste, reading, sports, walk through, ICE breaker and Yoga Session 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) Personal Counseling:- Mrs. Alka Kakade conducted psychological aptitude test for all the students of First Year Engineering. Personal counseling was also provided to the students to help them improve in their academics and to resolve their difficulties.

d) Motivational Lectures: -

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

e) Parent Meet: -

The department organized a Parent Meet in October 2019 to introduce Engineering subjects, study methods, semester pattern and time wasters.

f) 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.

g) Hostel Visits:- Faculty members visited Boys & Girls hostel as per the timetable during preparatory leave for guiding the students.

h) Study leave plan of students:- Students are made to prepare their study plans under the guidance of the respective proctor teacher and there was a continuous follow up to check whether the students were implementing the study plan effectively.

i) Extra lectures for Advance Learners:- Additional Lectures were conducted for Advanced Learner students.

j) Coaching for Remedial Exam:- Coaching was provided to the students in each semester before they appeared for their Remedial Examination.

k) 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.

l) Study Sessions and Prelim Exam:- During the Preparatory Leave, subjectwise study sessions are conducted wherein the respective faculties sit with the students to guide them. Prelim Exam was conducted after the study session which helped them to improve their Academic Performance in the University Exam.

m) Online Activities during Covid-19 :-

During the lockdown period 40% of the remaining syllabus was covered by the Teaching Faculty of all subjects. 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 Intern Shala which has benefitted the First Year Students. Overall a fruitful engagement of the students was carried out during the lockdown phase.

(Prof. S.D. Jadhav)
Head,
General Engg. Dept.



Training & Placement Cell Report - 2019-20



Dr. R. R. Patil

Dean, Training & Placements

It gives immense pleasure to present the Training & Placement Cell report for the academic Year 2019-20.

The T & P Cell provides ample opportunities to the students to develop their personality by conducting training programs regularly on communication skills and soft skills. We have added Soft Skill & Aptitude Sessions in daily time-table for all the classes. We have three full time Soft Skill trainers & One Aptitude trainer. Training activities are organized throughout the year in an effort towards preparing the prospective students for the campus selection process. The Cell is well equipped with generous infrastructure in terms of Seminar Halls, Meeting Hall for Pre-Placement Talk, Presentations, Interview, & GD Cabins etc.

Our Team:

Dr. R. R. Patil- Dean T & P

Prof. D. S. Pawar- T & P Coordinator,
Civil Engg.

Prof. P. S. Kankal- T & P Coordinator,
CSE Dept.

Prof. A. S. Dhobale- T & P
Coordinator, Mechanical

Prof. R. S. Bakre- T & P Coordinator,

ENTC Dept.

Prof. V. B. Bhosale- T & P
Coordinator, Electrical

Soft Skills & Aptitude Training Team-

Dr. M. S. Shaikh- Soft Skill Trainer

Prof. S.U. Chavan- Soft Skill Trainer

Prof. U. K. Jadhav- Soft Skill Trainer

Prof. A. H. Ohol- Aptitude Trainer

The focused Trainings for Placements: Pre-Placement Workshop (PPW)–

PPW is arranged for Thirty days which includes Aptitude, Soft Skills training. Students are profiled according to their performances and necessary feedback is given for the improvement. Technology Specific training is also arranged every year in the month of June for the students entering into Final Year. This Academic Year we have conducted training from 1st to 30th June 2019.

CST (Company Specific Training):

Company Specific Training is arranged for eligible students before any company visits for campus recruitment.

3rd Party Assessment by Aspiring Mind (Amcat Test):

Aspiring Mind is one of the leading assessment companies that help organizations, governments and institutions measure and identify talent. It is to create a level playing field in education & employment by introducing credible assessments. We conducted the Test by Aspiring Mind Every Year for all the final year Students in 2019-20, which included three Tests.

Placements 2019-20:

I am glad to present placement



records till date 16th Aug.2020. We have successfully Placed Students of all the departments. The summary of placements is as follows.

Sr. No.	Branch	No. of Student Selected
1	Mechanical Engg.	88
2	E & TC	77
3	Computer Science & Engg.	131
4	Electrical Engg.	53
5	Civil	14
	Total	363*

*Still Ongoing

Computer Science & Engg. Dept.			
Sr. No.	Company	No. of Student Placed	CTC (in Lakh P/A)
1	TIAA	10	9
2	PSL	4	6.41/ 4.41
3	Jaro Education	1	6.12
4	Xoriant	1	4.5
5	Fiserv Technology	1	4
6	GreyAtom	21	4
7	Cognizant	2	4
8	Eternus Solutions,	1	3.6
9	Zensar Technologies	3	3.5

10	Wipro	4	3.5
11	ATOS SYNTEL	6	3.5
12	e-Zest	1	3.5
13	Capgemini, Pune	2	3.5
14	TCS	14	3.36
15	CIALFOR, Pune	4	3.25
16	Tech Mahindra	4	3.25
17	Sankey Solutions,	1	3
18	Paramatrix Sol.	2	3
19	DXC	7	3
20	WebTech Developers	2	2.7
21	Trifid Research,	12	2.52
22	AXELOR India, Surat	5	2.4
23	Hexaware	2	2.2
24	ADJ Infotech	4	1.8
25	SilverLink Technology	11	1.8
26	Qspiders, Pune	5	After Training
Total - 131			

****Highest package of the Dept. is 9 Lac. P/A****

Electrical Engineering Dept.			
Sr. No.	Name of Company	No. of Student Placed	CTC (in Lakh P/A)
1	Cognizant	2	4.5
2	Infosys	2	3.5
3	Capgemini	1	3.5
4	Wipro	2	3.5
5	IBM	1	4



6	DXC Technology	3	3
7	Qspider	4	After Training
8	Dhoot Transmission	29	1.38
9	Trifid Research	5	2.4
10	Gey Atom	4	3*
Total -53			

****Highest package of the Dept. is 4.5Lac. P/A****

Electronics & Telecommunication Engg. Dept.			
Sr. No.	Company	No. of Student Placed	CTC (in Lakh P/A)
1	Coditas Technology	1	4
2	Wipro	1	3.5
3	Grayatom	6	3.5
4	Capgemini	1	3.5
5	TCS	1	3.36
6	Advik Hi tech	2	3
7	Trifid Tech Indore	4	2.52
8	Hexaware Technologies	3	2.2
9	ADJ Infotek	2	1.8
10	Shidore Microsys	3	1.8
11	Micromax Instrument	2	1.8
12	Dhoot Transmission	39	1.26
13	Q Spider	11	After Training
Total - 77			

****Highest package of the Dept. is 4 Lac. P/A****

Civil Engineering Dept.			
Sr. No.	Company	No. of Student Placed	CTC (in Lakh P/A)
1	ACC	2	3.5
2	Qspider	2	After Training
3	Anujkumar Agarwal Ltd.	10	2.4
Total -14			

****Highest package of the Dept. is 3.5 Lac. P/A***

Mechanical Engg.			
Sr. No.	Company	No. of Student Placed	CTC (in Lakh P/A)
1	BYJUs	1	10
2	Cognizant	5	4
3	Infosys	2	3.5
4	TCS	1	3.38
5	Advik Hi -Tech Pvt. Ltd. Pune	5	3
6	Trifid Research, Indore	13	2.4
7	Hexaware Technologies	2	2.2
8	Aqua Chill Systems, Pune	1	1.92
9	Ronch Polymers, Pune	8	1.5
10	Saurabh FlexipaCK	3	1.44



11	Balaji Enterprises, Pune	8	1.38
12	Dhoot Transmissions, Pune	32	1.38
13	Grey Atom	5	3.5
14	Qspiders, Pune	2	After Training
Total -88			

****Highest package
of the Dept. is 10 Lac. P/A****

This year has been remarkable for the institute and Placement Cell as we have set a new record for ourselves by placing highest number of students ever till date. This couldn't be possible without focused and relentless efforts of entire Training and Placement team.

It is my pride and privilege to share the facts about placements. I express my sincere gratitude to Principal, Management, all faculty members, Soft Skills Trainers, Aptitude Trainers, and TNP Coordinators, who have extended their co-operation to the T & P Cell in accomplishing its Endeavour successfully.

(Dr. R. R. Patil)
Dean,
Training & Placements



STUDY ABROAD CELL (SAC)



Dr. Shriniwas S Metan
(SAC In charge)

I am very much happy to present in front of you the activities and sky touching achievements and success stories of the Study Abroad Cell (SAC) in the academic year 2019-20.

Let's take a glance at the academic year 2019-20, following students are going to pursue their masters in various countries USA, Germany, France, and Canada.

This year 10 students got admits from the various Abroad Universities and going for their Masters studies abroad.

Sr. No.	Name of Student	University	Course in
1	Miss Shivani Kurle-Patil (Electronics & Tele - com..)	University of Texas San Antonio, USA.	Masters in Electrical & Electronic Engineering
2	Mr. Rohit Patil (Mechanical Engg.)	University of Michigan Dearborn, USA.	Masters in Industrial Engineering

3	Miss. Shalvi S Deshmukh (Civil Eng g.)	Clemson University, USA.	Masters in Construction Engineering & Mgmt.
4	Miss Snehal AtkalePatil (Electronics & Telecom.)	Kühne Logistics University (KLU), Hamburg, Germany	MSc in Global Logistics and Supply Chain Mgmt.
5	Mr. Ashish Chandane (Mechanical Engineering)	École Centrale de Nantes.	Masters in Industrial Engineering - Agile Factory Mgmt.
6	Mr. Vinayak Mhamane (Civil Engineering)	University of New Haven, West Haven, Connecticut, USA.	Masters in Construction Engineering & Mgmt.
7	Mr. Krist Sane (Mechanical Engineering)	HOF University, Germany .	Masters in Industrial Engineering
8	Miss Ankita Chavan (Civil Engineering)	Queen's University, Canada.	Masters in Construction Mgmt.



9	Mr.Faisal Sayyad (Mechanical Engineering)	King Fahad University Dhahran, Saudi Arabia	Master of Science in Design and Vibration
10	Mr Samarth Kulkarni (Mechanical Engineering)	Rostock University , Germany	Master of Science in Computational Science & Engineering

In this academic year 2019-20, total 56 students from various departments have enrolled to the Study Abroad Cell. The students participated in the various activities conducted by the Study Abroad Cell. Dr. Shriniwas S. Metan conducted an introductory session for Study Abroad Cell on 13th July 2019. He briefed about the MS Examination such as GRE, IELTS and TOEFEL, Study Techniques to crack these examinations and explained the admission procedure, various online material to study. He gave detail information to the students about “How to get the Scholarship” and how to take care of the financial needs during the Masters.

To create Awareness and to get acquainted with current situation abroad for admission procedure and availability of job after Masters Program following sessions were conducted by the Successful SAC students.

Sr. No.	SAC Students Expert	Topic	Date	Students Present
1	Mr. Pratik Sutar (Seigan University, Germany)	How to crack IELTS exam.	17/08/2019	44
2	Mr.Nikhil Indapure (HOF University, Germany)	How to Prepare for MS in Germany	15/09/2019	56
3	Mrs. Tejashri Parurkar (Pace University, USA)	Experience of studying in USA	17/01/2020	36
4.	Mr. Onkar Wadkar (University of New Heaven ,USA)	Study opportunities in USA for Electrical students	24/01/2020	54

For the current academic year following students have qualified for the GRE, TOEFL and IELTS exams

Sr. No.	Name of the Student	GRE Score	TOEFL/ IELTS Score
1	Mr. Vinayak Mhamane	292	6.5
2	Miss. Shalvi Deshmukh	302	87 / 7.0



3	Mr. Hardik Madda	-----	6.5
4	Miss. Ankita Chavan	-----	6.5
5	Miss Shivani Kurle	303	105
6	Mr. Samarth Kulkarni		7.0
7	Miss Snehal Akkalkote		6.5
8	Mr.Rakesh Machrala		6.0
9	Mr.Krist Sane		6.5
10	Mr.Rohit Patil		7.0
11	Mr.Salik Bijapure		7.0
12	Mr.Ashish Chandane		7.5
13	Mr. Aftab Merchant		6.5

student got acceptance letter from one of the University from this tour.

We are making sincere effort to broaden the horizon, goal, as well as efforts to make this cell more interactive than the last academic year. Dr. Shrinivas Metan (Head of SAC), Prof. Vinayak Mhamane, Prof. Hardik Madda, Prof. Shalavi Deshmukh, Miss. Ankita Chavan, Mr. Samarth Kulkarni had taken countless efforts in organizing and successfully conducting SAC sessions. Mr.Samadhan Patil, Mr. Ram Bhosale, Mr Dada Pangale also worked hard for making the sessions happen for the students. The success of the SAC is due to the support of our Hon. Principal Dr. J. B. Dafedar, all the Role holders' faculty members, who directly and sometimes indirectly helped in conducting the sessions. Thanks to the management also for giving us opportunities to start the unique Cell Study Abroad Cell (SAC).

On 18th February 2020, Study Abroad Cell has arranged a visit to Education France in Hotel Crown Plaza Pune. 15 Engineering Universities and 15 Management Universities representatives (Professors) were presenting their University to the aspirants. Our 27 students participated in this Fair. Students have great experience of interacting with the eminent Professors from some of the best universities in France. One of the



GYMKHANA REPORT



Prof. R. R. Shriram Prof. M. B. Awate
Gymkhana Incharge

We feel extremely glad to present before you the annual report of our Gymkhana, which has not only lived up to expectation of the students but also moved a step ahead. We are proud to put on records that in the academic year 2019-20 our students participated in various University sports events such as Cricket, Volley Ball, Foot Ball, Chess, Kho-Kho, Kabaddi, Badminton, Fencing, etc. We are having well equipped Gym in our college.

1. Special Achievements

Our achievements in various Inter-college Solapur University Tournaments are as follows.

Sr. No	Sports & Team of Students	Achievements
1	Fencing	Secured 3rd Rank & got selected in ' Solapur University Fencing Team '
	Mr. Sarwade Shantanu	
2	Badminton	Got selected in ' Solapur University Badminton Team '
	Mr. Gaikwad Akash	

3	Chess	Got selected in ' Solapur University ChessTeam '
	Mr. Antad Ganesh Mr. Garad Nilesh	
4	Chess (Boys)	Team secured 3rd Rank
	Mr. Antad Ganesh	
	Mr. Garad Nilesh	
	Mr. Kashid Sanket	
	Mr. Chavan Ganesh	
	Mr. Bhavare Akshay Mr. Kamble Sahil	

- Our achievements in various Inter-college DBATU Tournaments are as follows.

Sr. No	Sports & Team of Students	Achievements
1	Cricket	Got selected in ' DBATU Cricket Team '
	Mr. Sardeshmukh Shashank Mr. Yeole Akshay	
2	Shooting	Got selected in ' DBATU Shooting Team '
	Mr. Nandargi Sangmesh	
3	Badminton (Girls)	Team secured 1st Rank
	Ms. Thite Sonali	
	Ms. Kulkarni Krupali	
	Ms. Yemul Shruti Ms. Kadam Namrata	



4	Chess	Team secured 2nd Rank & Mr.Yerate Saurabhgot selected in 'DBATU Chess Team'
	Mr. Yerate Saurabh	
	Mr. Katve Ritik	
	Mr. Shinde Arpit	
	Mr. Chiploonkar Ashutosh	
	Mr. Bhosle Samarth	

2. College Team Members Participating in Solapur University Zonal Tournaments

Apart from above achievements students have also participated in various Solapur University Zonal Tournaments are as follows.

Sr. No	Sports & Team of Students
1	Cricket
	Mr. Mungapatil Vishal Sanjay
	Mr. Mujawar Faizan Ismail
	Mr. Pude Nikhil Anand
	Mr. Kashid Sanket Sandip
	Mr. Bhutnale Nikhil Rajesh
	Mr. Chavan Prakash Ramu
	Mr. Gawali Gourav Santosh
	Mr. Shahpure Ajay Anil
	Mr. Nagmode Ashish Dnyanoba
	Mr. Mone Rishikesh Siddheshwar
	Mr. Mhetre Vinay Shrinivas
	Mr. Malage Swapnil Jitendra
	Mr. Komatwar Ajay Ravindra
	Mr. Kamble Sahil Suraj
Mr. Sutar Onkar Yashwant	
2	Kabaddi
	Mr. Jadhav Utkarshraje Dhjanaji
	Mr. Chavan Ganesh Shubhash
	Mr. Sarwade Shantanu Mohan
	Mr. Kamble Sahil Suraj
	Mr. Garad Nilesh Dattatray
	Mr. Mundhe Sudhir Arjun
Mr. Kamble Prasad Vishwanath	

	Mr. Kashid Sanket Sandip
	Mr. Patil Sanket Vasant
	Mr. Shinde Manoj Sitaram
	Mr. Dhaygode Akash Sanjay
	Mr. Bansode Mahesh Mallikarjun
3	Football
	Mr. Admane Ashutosh Rajendra
	Mr. Komatwar Vijay Ravindra
	Mr. Komatwar Ajay Ravindra
	Mr. More Ashutosh Nitin
	Mr. Kamble Ashwasghosh Madhukar
	Mr. Shaikh Amoi Rajesaheb
	Mr. Kashetti Onkar Shivaji
	Mr. Chinta Saurabh Arvind
	Mr. Mujawar Faizan Ismail
	Mr. Jamadar Saif Shabuddin
	Mr. Maniyar Mohammad Faizan
	Mr. Arora Sawanra Suneetkumar
Mr. Chitari Shashank Mukesh	
Mr. Jamadar Rishikesh Dinesh	
Mr. Malage Swapnil Jitendra	
4	Badminton
	Mr. Gaikwad Akash Mahadev
	Mr. Tarange Ravikant Ashok
	Mr. Malge Swapnil Jitendra
	Mr. Patwari Prathmesh Prashant
	Mr. Patil Rushikesh Rahul
5	Volleyball
	Mr. Komatwar Vijay Ravindra
	Mr. Komatwar Ajay Ravindra
	Mr. Ghodke Akash Arjun
	Mr. Hingnikar Tanveer Mahibub
	Mr. Sartape Ravi Vitthal
	Mr. Sable Sumit Santosh
	Mr. Madari Rahul Parshuram
	Mr. Sarwade Sandip Ashok
	Mr. Gherade Suraj Subhash
Mr. Sable Sumit Santosh	
Mr. Patil Prashant Siddheshwar	
Mr. Khadatare Samadhan Dattatraya	
6	Chess
	Mr. Antad Ganesh Mallikarjun



	Mr. Garad NileshDattatray
	Mr. KashidSanket Sandip
	Mr. Chavan Ganesh Subhash
	Mr. BhavareAkshay Madhav
	Mr. Kamble Sahil Suraj
7	Kho Kho
	Mr. Bansode Mahesh Mallikarjun
	Mr. Ingale Pavan Digambar
	Mr. BhavareAkshay Madhav
	Mr. Malangkar Rahul Ramesh
	Mr. Fundipalle Mukesh Irranna
	Mr. Mundhe Sudhir Arjun
	Mr. Khandekar Pravin Tukaram
	Mr. SutarRatikantlrappa
	Mr. Gulbarga Asif Tolasab
	Mr.Fundipalle Pravin Kamleshwar
	Mr.NaikwadeAkshay Ajay
	Mr. Chavan Vishal Nagnath
8	Fencing
	Mr.Sarwade ShantanuMohan

3. Participation in DBATU Zonal Tournaments

Apart from achievements our students have also participated in various DBATU Zonal Tournaments are as follows.

Sr. No.	Sports & Team of Students
	Cricket
1	Mr. Sardeshmukh Shashank Santosh
	Mr. Yeole Akshay Vitthal
	Mr. Hejerao Nikhil Tanaji
	Football
2	Mr. Shaikh Fahim Yusuf
	Mr. Shaikh Kamran Kuddus
	Mr. Patel Mohammed Salique Salim Ahmed
3	Badminton (Men)
	Mr. Jujgar Manoj Mahantesh
	Mr. Hangarge Nagesh Dilip

	Mr. SarwadeDaivshaDipak
	Mr. Pawar Ajay Laxman
	Mr. Raut PrathmesBaldasdaheb
4	Badminton(Women)
	Ms. ThiteSonali Sunil
	Ms. Kulkarni KrupalMivek
	Ms. Yemul ShrutiAmbadas
	Ms. Kadam NamrataApparao
5	Chess
	Mr. Yerate SaurabSsunil
	Mr. KatveRitik Rajendra
	Mr. Shinde Arpit Deepak
	Mr. Chiploonkar Ashutosh Prakash
	Mr. Bhosle Samarth Shivaji
6	Shooting
	Mr. NandargiSangmeshMallinath
	Volleyball
	Mr. Shaikh Sarfraz Ayyub
	Mr. Tarke Sameer Raghvendra
	Mr. Katgeri Mahesh Sidramappa
	Mr. SonageVinayak Bhimashankar
7	Mr. Birajdar Prashant Vitthal
	Mr. Patil Sumit Sudhir
	Mr. Durve Nikhil Raju
	Mr. Baghban Mohammad Alquama Rajasaheb
	Mr. Sagari Shoaib Shafi
	Mr. BagalRitsh Pramod
	Mr. Choudhary Mohammad Aftab Jafar
	Mr. DaudBadeghar
	Kabaddi
	Mr.Jagzape Utkarsh Shivaji
8	Mr. YeoleAkshay Vitthal
	Mr.Dhavalgi Sagar Gurunath
	Mr. Langar Mahesh Prabhakar
	Mr.Shejal Onkar Digambar
	Mr.Pawar Sonu Rupsingh



Mr. Shaikh Imran Harun
Mr. Bagale Bhimashankar Revansiddh
Mr. Birajdar Abhijeet Shrishail
Mr. Divekar Adesh Mahadev
Mr. Mareddi Shubham Vilas
Mr. Mali Nikhil Ravindra

4. College Level Sports Event – SMASH

We conducted college level sports event SMASH 2020. We received overwhelming response in various activities such as Volleyball, Cricket, Chess, Carom, Football, Badminton.

Gymkhana could achieve this because of guidance and encouragement of our Principal Dr. J.B. Dafedar and the Trustees. We must thank Mr. Shantanu Sarwade (Sports Secretary), Mr. Nikhil Pude,

Mr. Vishal Mungapatil, Mr. Sangamesh Nandargi, Mr. Nikhil Durve (Deputy Secretary), Mr. Gourav Gawali, Mr. Faizan Mujawar Mr. Hrishikesh Mone, Mr. Nikhil Bhutnale, Mr. Akshay Yeole, Mr. Shashank Sardeshmukh, Mr. Sumit Sabale, Mr. Mahesh Katgeri, Mr. Vijay Komatwar, Mr. Sarfraj Shaikh, Mr. Ajay Komatwar, Mr. Rahul Raut, Mr. Akash Gaikwad, Mr. Manoj Jujgar, Ms. Sonali Thite, Ms. Krupali Kulkarni, Mr. Ganesh Antad, Mr. Nilesh Garad, Ms. Shweta Shinde, Mr. Ashutosh Admane, Mr. Anirudhha Patil for working enthusiastically as volunteers to conduct College level sports events. Finally, we thank all the concerned who helped us directly or indirectly to successfully conduct various events.



N.S.S. Annual Report



Prof.S.S.Jeurkar Prof. Dinesh Rajgiri

NSS Unit, NKOCET, Solapur.

It gives us immense pleasure to present the annual report of National Service Scheme group of our College. 74 students from various departments is our strong NSS team. Mr. Yogesh Maindargi from Computer Science and Engineering Department is selected as NSS Secretary of the institute.

On 14th September 2019, a blood donation camp was organized on the occasion of "Engineers Day". Civil hospital, Damani, Ashwini Hospital and Hedgewar Blood Banks were invited for this camp. Total 100 bottles of blood were donated from our Institute on this occasion.

To promote the mission "Jal Shakti Abhiyan" and to make India free from Plastic, NSS team celebrated Swachhta abhiyan and conducted various activities like Paper Bag Making, Swachhta Abhiyan, Waste in use, Selfi Point for Environment Awareness, Poster Presentation on theme-Water Conservation from 1st to 15th Sept 2019, college has formed the "Jal Shakti Team" with students and faculty members from each department.

NSS volunteers conducted cleaning

campaign in association with NHI- Solapur Yedshi Highway Pvt.Ltd near Hipparga village on 25th September 2019 on the occasion of "Gandhi Jayanti". Volunteers studied the cleaning system and cleaned some areas nearby college.

NSS volunteers organized "Voting Awareness-I will vote", Oath taking ceremony in association with Sakal group of news paper on 14th October 2019, to create awareness about voting is our duty as well as responsibility and to motivate all to vote.

NSS team, students, faculty members and staff participated in the event of "Tree plantation" which was organized on the occasion of Independence Day 15th August 2019.

On the occasion of Observance of the Birth Anniversary of Late Shri. Sardar Vallabhbhai Patel as "Rashtriya Ekta Divas", college had arranged a pledge taking ceremony in college campus on 31st October 2019. All students, faculty and staff members took a pledge of "Rashtriya Ekata Divas. Some of them also took an online pledge through the link provided as pledge.mygov.in/unity and bagged the certificate.

On the occasion of Observation of Swachhta Pakhwada-2020, various activities were conducted during the period of 16st January to 30th January 2020. All students, faculty members and staff took Swachhata Pledge on 16th January 2020, to initiate the quest for cleanliness with themselves, their family, their locality, village and work place. On 17th January



NSS team and housekeeping staff cleaned the campus and nearby area. On 30th January 2020 NSS group organized Poster presentation competition on the topic "Single Use Plastic" for all the Engineers who have a creative artist in them. Many students participated in this activity. Winners were declared and certificates were issued.

To create awareness about Corona

Virus, NSS Unit organized Online National level awareness campaign/Quiz on 29th April 2020. People from various cities over the India participated in this quiz. Total 1091 E- certificates were issued to the participants who successfully submitted the online quiz.

We thank all the NSS volunteers for their active participation and making all the activities successful.

LIBRARY REPORT



Dr. Vaijinath Birangal
LIBRARIAN

Our 'library' is flourished with an enormous and excellent collection of books & journals. The total numbers of Titles are 6650 & volumes are 56910. There are 650 books on Personality Development. We have subscribed to 83 National Journals and International e-journals of J-Gate Engineering Science & Technology.

Various Library Facilities such as Digital Library, Library automation, Book Bank facility to every student, Reference books, Reprography facility & News Paper facility etc. have been provided. E-granthalaya Library Software and Argox Software for bar coding is being used.

Library timing is 10.00 am to 6.00 pm for Circulation section & during night hours

the reading hall remains open from 08.00 am to 11.00 pm for the students to study.

We are associated with DELNET (Developing Library Network) a Library Network of many reputed Libraries encompassing Information of about One million bibliographic records, books, Journals, etc. so that we can share resources & information using the database.

The Ministry of Human Resource Development under its National Mission on Education through Information and Communication Technology has initiated the National Digital Library (NDL) pilot project to develop a framework of virtual repository of learning resources with a single-window search facility. Filtered and federated searching is employed to facilitate focused searching so that learners can find out the right resource with least effort and in minimum time. We have taken NDL membership.

NDL is being developed to help students to prepare for entrance and competitive examination, to enable people to learn and prepare from best practices from all over the world and to facilitate researchers to perform inter-linked



exploration from multiple sources. The pilot project is devising a framework suitable for future scale up with respect to content volume and diversity to become a full-blown National Digital Library of India over time. It is being developed at IIT Kharagpur. This facility is used efficiently by all the students and faculty members.

Library has made available 1613 e-books of engineering domains on College archive.

Total investment till date for our library is 269 lacs.

The Library committee members are as follows

- 01) Prof. A.B. Magar (Mech. Dept.)
Coordinator
- 02) Prof. Reshma Shinde (C.S.E. Dept.)
- 03) Prof. V. Santoshkumar (Electrical Dept.)
- 04) Prof. S. B. More (Civil Dept.)
- 05) Prof. A. A. Chandanshive (ENTC Dept.)
- 05) Prof. A. H. Kangale (F.E. Dept.)

Entrepreneurship Development Cell Report



Prof. V.P. Kulkarni



Prof. V.B. Bhosale

We are glad to present the annual report of Entrepreneur Development cell (EDP), which was established in academic year 2012-13.

Vision: To Inculcate, Nurture, Develop and Transform Technocrats to Technopreneurs

Objectives:

- ▶ To develop ability of students to function dynamically and acquire requisite knowledge and skills to plan and successfully launch their

dream ventures, to accelerate economic growth of country and to bring the social change.

- ▶ To create awareness of need and importance of entrepreneurships as career option among students.
- ▶ To inculcate business vision and insights.
- ▶ To encourage students to seize unique opportunity and make a profitable career through self-employment.
- ▶ To inspire students to start the small and medium size enterprise which offer better potential for local employment generation and self-employment.
- ▶ To make students aware about the procedure, sources of information and financial assistance to start the enterprise.
- ▶ To guide and assist prospective entrepreneurs on various aspects such as preparing project reports,



obtaining project approvals, loan and facilities from agencies of support system.

- ▶ To arrange interaction with entrepreneurs, bankers, professionals, potential customers and create mentorship scheme for student innovators.

About Entrepreneurship Cell:

- ▶ ED cell activities started on 31st August 2018 with CII CEO Connect Live Inaugural Session by Ms.Nidhi Saraf- Founder & CEO Key Ventures, Mumbai. This session was attended by 238 Students.
- ▶ Psychometric Test for all interested EDP Students was conducted on 05th October 2018, through which 75 Students were Shortlisted.
- ▶ EDC Student Steering committee was formed, which governs all activities of the cell throughout the year. The steering committee coordinators were selected based on voluntary entry of students. Following ED cell students steering committee coordinators were appointed for Academic Year 2018-19
- ▶ Rushikesh Patil (TE Civil)
- ▶ Abhishek Tulse(TE CSE)
- ▶ Ms. Rupali Padwal (TE Electrical)

Activities Conducted in the academic year 2018-19

- ▶ On account of Engineers Day i.e on 15th September Interview with

Entrepreneur Mr.Suneel Pendse was arranged.

- ▶ Activities of Saturday Ideation Club Started.
- ▶ Our 11 Students had Idea Pitching Presentations in Maharashtra Start-up Yatra Bootcamp arranged at WIT,Solapur on 17th October 2018.
- ▶ On 28/11/2019 the cell submitted a proposal to AICTE on SAMRUDHI SCHEME of Entrepreneurship development for SC/ST Students.
- ▶ One Day workshop was organized on 10th January 2019 in collaboration with IIC Cell on Intellectual Property Rights which was attended by Total 208 Students.
- ▶ Advisory Board Meeting was conducted on 21st January 2019, following Members were present.
Mr. Sharad Krishna Thakre –MD LHP Motors, Solapur
Mr. Raju Rathi Solapur Chamber of Commerce & Industries
Mr.Ramchandra Chandanshive-Chief Manager Lead Bank, Solapur
Mr. Balasaheb Yashwante – DIC Solapur
Mr.Suryakant Patil- PSP –IP Associates Pune
Mr.S.G.Ingale- Chartered Accountant
Mr.Chandrakant Londhe- MITCON NKOCET in association with MITCON consultancy and engineering services has arranged “Entrepreneurship Awareness



Camp” for 75 students. This program was arranged in our campus from 31 Jan 2019 to 02 Feb 2019.

- ▶ Webinar of Million Minds on Startup was broadcast to all EDP Students.
- ▶ One Out of Three Startup Proposals sent to DBATU i2E Cell was

nominated after Idea Pitch Presentation on 06.03.2019 for next round for funding.

- ▶ “Go to Market in 100 Days “An initiative of Dassault System for Startup was organized for EDP Students on 20th March 2019.

Cultural Committee Report

It gives us immense pleasure to present the annual report of cultural activities for the academic year 2019-20. This year, the cultural committee has organized numerous and varied cultural events. All the cultural events organized this year are highly appreciated by students, faculty and parents.

Following are some main events organized by the cultural committee:

Institute Level Activities

- ▶ Celebrated 5th International Yoga Day on 21st June, 2019.
- ▶ Celebrated "Kargil Vijay Diwas" by attending a movie show "URI: The Surgical Strike" in Prabhat theatre. 95 students and 5 faculties attended the show on 26th July 2019.
- ▶ Celebrated 73rd Independence Day on 15th Aug, 2019. Chief Guest for the program was Dr. G. D. Khuspe. Guest of Honour were Mr. M. A. Bagwan & Mr. S. H. Kore.
- ▶ Arranged “Bihu Dance” performance by Ranjit Kumar Gogoi and team under the aegis of SPIC MACAY- (Society for promotion of Indian Classical Music and Culture

Among Youths) Bengaluru on 06th Sep, 2019.

- ▶ Celebrated 71st Republic Day on 26th Jan, 2020. Chief Guest for the program was Dr. V. S. Birangal Guest of Honour were Mr. V. S. Bhaiya & Mr. More D. N.
- ▶ Celebrated “Chhatrapati Shivaji Maharaj Jayanti” on 19th Feb, 2020. Mr. Harshal M. Bagal from Kurduvadi was invited as a speaker on the topic “Shiv Neeti”.
- ▶ Art Exhibition Inauguration was done on 27th Feb, 2020.
- ▶ Celebrated Traditional Day with traditional day ramp walk, presentation of Dhol & Lazim Pathak on 28th Feb, 2020.
- ▶ Celebrated Mega cultural event Rainbow-2k20, all together 23 performances including Drama, Singing and Dances were performed on 28th Feb, 2019.
- ▶ Conducted Online cultural program “E-Rainbow 2k20” and broadcasted through Youtube live, all together 15 performances including great stand-up comedian Prof. Deepak



Deshpande, our students, alumni Mr. Aafaque Qadri and faculty Prof. V. P. Kulkarni participated in the program on 14th Jun, 2020.

Social Contribution Through Cultural Activities

- ▶ The students of our college have donated daily use materials like Rack, Water tanks, Chairs, Water heating geyser etc. to Adivasi Pardhi Vidyarthi Aashram and Pragati Mukbadhir School, Mulegao, Solapur on an auspicious occasion of "Chhatrapati Shivaji Maharaj Jayanti" on 19th Feb, 2020.

University Level Activities

- ▶ On account 150th Mahatma Gandhi Jayanti following activities were conducted
- ▶ Campus Cleaning activities throughout the academic year.
- ▶ Poster Making Presentation on Mahatma Gandhiji's Life on 27/02/2020.
- ▶ College has conducted "Chapati Day" throughout the year to collect chapatis from students and distribute among hunger people of different parts of Solapur.
- ▶ 2 Students participated in Solapur University Youth Festival-19 at Lokmangal Science and Entrepreneurship College, Wadala between 19th to 22nd Sep, 2019.
- ▶ Celebrated "Vaachan Prerana Din" on the eve of Dr. A. P. J. Abdul Kalam's birthday on 13th Oct, 2019.

- ▶ Conducted Integrity Pledge taking activity for Students and faculty on the eve of Vigilance Awareness Week observed from 28th Oct, 2019 and 2nd Nov, 2019.
- ▶ Celebrated "Indian Constitution Day" on 26th Nov, 2019. Telecasted the live program of Lok Sabha Secretary for Staff and Students.
- ▶ Celebrated "Matrubhasha Diwas" on 22nd Feb, 2020. Conducted various events like poster making, elocution, singing and "Talk in Marathi only for two minutes" event.
- ▶ Celebrated "□□□□□ □□□□ □□□" on 27th Feb, 2020. Organized Poster Making and Rangoli Competition.

All the cultural activities were successfully organized with support of Cultural Secretary Mr. Rushikesh R. Patil, Cultural Deputy Secretaries Mr. Pramod T. Jadhav, Mr. Kaustubh S. Mote, Mr. Vikas P. Utge, Mr. Rohit S. Kshirsagar and all cultural committee members.

We are thankful to all students, teaching, non-teaching staff and menial staff for their involvement and to make all these events successful.

We are also thankful to our Principal Dr. J. B. Dafedar and our management for timely support and motivation.

Prof. Anil R. Chinchawade
Prof. Akhtar I. Nadaf
Prof. Samruddhi S. Shaha





***We Salute the
Corona Warriors***

CORONAVIRUS
[COVID-19]

