

# ORCHID COMMUNICATION-TIMES

## NEWS LETTER 2021-22



*Locally Rooted Globally Competent Education*

PRADNYA NIKETAN EDUCATION SOCIETY, PUNE

**N. K. ORCHID**

**COLLEGE OF ENGINEERING  
& TECHNOLOGY, SOLAPUR**

(AFFILIATED TO Dr. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE)



# NAAC ACCREDITED INSTITUTE

# Placements 2021-22

**89\* Placements in 25 Companies with  
highest package 5 LPA**

## Placement List of Academic Year 2021-22

Sr. No.	Name of company	Number of Students Placed	Package (lakhs per annum)
1	Wipro	18	3.5
2	Persistent Systems Ltd	13	4.71
3	Excel VLSI	1	4.8
4	Reliance Jio	3	4
5	Virtusa	6	4.5
6	Digicomm Semiconductor	1	4
7	Evobi Automation	1	4
8	KPIT	1	4
9	Lifeline Systech Solutions	2	4
10	Evosys	1	3.6
11	TCS	8	3.6
12	Tech Mahindra	6	3.5
13	Infosys	2	3.6
14	Zensar	1	4
15	Byju's	1	5
16	Capgemini	3	4
17	Crave Technology	1	3
18	Collabera	1	2.88
19	Quest Global	1	3.25
20	Vyom Lab	1	3
21	Pracyva Limited	2	1.92
22	Micromax Instruments Pvt. Ltd.	1	1.2
23	Qspider	8	--
24	Pentagon Space	5	--
25	Rockwell Automation	1	--
	Total	89*	

# Student Achievements 2021-22

**UNIVERSITY RESULTS:** University Results of ACADEMIC YEAR 2020-21 of SY, TY and final year is 100% . The first five rankers of each class are as follows.

Class	Rank	Student Name	CGPA
B.Tech.	1	Chavan Snehal Karan	9.41
	2	Alla Rajeshwari	9.22
	3	Surwase Arati Sumant	9.21
	4	Kale Prathamesh Nanasaheb	9.17
	5	Giri Ankita Vishwanath	9.11
T Y	1	Shravani Krishna Hiremath	9.55
	2	Neharika Shriniwas Burla	9.49
	3	Abhishek Vijaykumar Kalshetti	9.43
		Muskan Pathan	
	4	Pooja Rajkumar Birajadar	9.4
S Y	5	Yashashree Anmol Shete	9.38
	1	Kawade Mitali Deepak	9.86
	2	Ladda Ratnesh Deepa	9.73
	3	Bhosage Shashikant Apparao	9.7
		Telkar Pooja Shrikant	
	4	Malpeddi Shrutika Raju	9.66
	5	Chitkul Ankita Krishnahari	9.64

## Best outgoing Student of Department

Based on the academic performance, co-curricular activities and extracurricular activities, **MR. ABHISHEK KALSHETTI** has been selected as the best outgoing student of E&TC department for the academic year 2021-22.



# Student Achievements of 2021-22

Following students have participated and won awards in different events.

Sr. No.	Student name	Event/ Competition	Organized by
1	Farheen Pathan (SY)	Kalpaka-2K22 (Technical Treasure Hunt)	SSWCOE, Solapur
2	Sourabh Jadhav (TY) Meghana Vijapure (TY) Habiballa Mohannod Yunus Attar (SY) Bhagyashri Galpalli (SY) Laxmi Boga (SY) Sumit Shripati (SY)	Espire-2K22 (Python Programming)	NKOCET, Solapur
3	Sakshi Narone (SY) Vyanktesh Jagtap (SY)	Espire-2K22 (Circuit Built up)	NKOCET, Solapur
4	Vishal Nargunde (TY) Shrutika Malpedi(TY) Mukteshwar Dasari (SY)	Espire-2K22 (Treasure Hunt)	NKOCET, Solapur

89 Students of second year E&TC got selected for Zensar Employability skill Development Program



# Internship 2021-22

**INTERNSHIP:** As per DBATU curriculum final year students are allowed to do internship in 8<sup>th</sup> semester and do project in industry. Industrial training helps to make 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. 68 Final Year students out of 73 completed Internship in following 16 different companies in academic year 2021-22. Only 5 students decided to do project in college.

Sr. No.	Name of Company	No. of Students	Stipend (Rs per month)
1	Evobi Automation Bibox Lab Bengaluru	01	20000
2	Persistant System Ltd, Pune	13	10000
3	Evosys Ahmedabad	01	10000
4	Micromax Instruments Pvt Ltd, Pune	02	7000
5	Vighanharta Technology, Pune	03	5000
6	SAN AI & Mechatronics Pvt. Ltd Solapur	01	3000
7	Wipro Ltd, Pune	18	--
8	Bodhi Technology Pvt Ltd, Solapur	05	--
9	Vertex Technosys, Solapur	11	--
10	Crave infotech Pvt Ltd Pune	01	--
11	MindBorn Software Solutions, Solapur	12	--
12	Pentagon Space, Bangalore	04	--
13	Qspiders Campus Connect, Pune	05	--
14	Qwert Limited	01	--
15	SGMS Infotech, Pune	01	--
16	Vyom Lab, Baner, Pune	01	--
	<b>Total</b>	<b>68</b>	



# Internship 2021-22

**VISIT OF FACULTY TO INDUSTRY:** Faculty members visited industries for the follow up of internship and project completion. Following are some photos of faculty visit.



Dr. V. S. Shirwal visited Vighnharta Technologies Pvt. Ltd. Pune on 30/05/2022



Prof. I. I. Mujawar and Prof. R. S. Bakare Visited Vertex Technologies, Solapur on 3/06/2022.



Prof. U. A. Bongale and Prof. Vaibhav Nema Visited Mindbron Software Solutions, Solapur on 30/05/2022 for follow up of final year project



Prof. S. A. Kashid Visited Vertex Technologies, Mindborn Software Solutions, SAN AI & Mechatronics, Solapur on 6/06/2022.

# Co-curricular Activities 2021-22

Following two days workshops were conducted for students in offline mode.

Sr. No.	Class	Course name	No. of students Present	Date	Name of Resource Person
1	S. Y.	Arduino	33	27 <sup>th</sup> - 1 <sup>st</sup> Oct 2021	Dr. V.S. Shirwal Prof. R. S. Bakare
2	S.Y.	e-Yantra Embedded system	85	8 <sup>th</sup> - 14 <sup>th</sup> Nov 2021	Prof. A. I. Nadaf (Coordinator) Mr. Vaibhav Patil
3	S. Y.	Arduino	33	11 <sup>th</sup> -12 <sup>th</sup> Feb 2022	Prof. R.S. Bakare
4	S. Y.	Matlab & Scilab	18	17 <sup>th</sup> -18 <sup>th</sup> Feb 2022	Dr. P.D. Bahirgonde
5	T. Y.	Arduino	85	19 <sup>th</sup> - 20 <sup>th</sup> May 20	Prof. R.S. Bakare (Coordinator) Prof. Roshan Pushpan Prof. S. R. Mulmane Prof. Vaibhav Nema





# Industry Connect Activities 2021-22

**INDUSTRIAL VISIT:** A study tour for TY students was undertaken to Research and Development Section, Polnet Terminal (V-SAT), Wireless Museum and Arya Bhata Open Museum of Police Wireless Head-Quarters, Pune on 04/06/2022. The visit was coordinated by Prof. R. S. Bakare, Prof. Roshan Pushapam, Prof. U. A. Bongale, Prof. Rucha Shriram.



**EXPERT LECTURE:** Mr. Pushashil Salunke, Founder and Head of PMS Robotics and Research Center, Pune guided students about Robotics and Automation on 04/06/2022.



**EXPERT LECTURE:** Students are exposed to the most recent developments in technology through expert talks by different experts from industry. Mr. Swapnil Bhavarthi of KPIT, Pune addressed students on topic “How to prepare for NQT, InfyTQ, NTH” on 20/11/21.



# Departmental Activities 2021-22

**ESPIRE-2022** : One Day Technical Event “Espire-2022” was organized on 29<sup>th</sup> April 2022 by E&TC department of N. K. Orchid College of Engineering & Technology in association with Institution of Engineers, Local Center, Solapur. The objective of event is to motivate students to take challenges, boost technical thinking and create research environment among students. The event was open for the diploma students of E&TC and Electrical Engineering, as well as for degree students of E&TC department of NKOCET. Total 232 students participated in different competitions.



**PARENT TEACHER MEET** : Parent Teacher Meet of Class S. Y. and T. Y. was organized on 15/05/2022 at ARC Hall. Total 57 parents attended meet. Prof. S. S. Dhotre shared “Department’s achievements, students Internships and Placements and Future Plans” with parents. Prof. I. I. Mujawar guided parents on topic “ Role of parents in development of student’s career”. Parents took part in discussion session and met class coordinators and subject teachers to see the progress of their ward. T. Y. Parent’s meet was coordinated by Prof. A. I. Nadaf and S.Y. Parent’s meet was coordinated by Prof. A. A. Chandanshive and Prof. R. R. Shriram.



# Departmental Activities 2021-22

**YOGA DAY CELEBRATION** : Yoga Session was organized on 21/06/2022 on the occasion of "International Yoga Day". Total 125 students and faculties attended the session. Dr. V. S. Shirwal instructed students and faculties for yoga.



**PROJECT EXHIBITION** : Project Exhibition of all final year student projects was held on 8/07/2022 at Project Lab and Computation Lab 3. Mr. Narendra Meragu of Vertex Technosys, Solapur examined all 25 projects.



**EMPLOYABILITY SKILL DEVELOPMENT**: For third year students, online industrial training was organized under employability skill development. The details are as given below.

Sr. No.	Name of Industry/ Platform	No. of Student	Training on	Duration
1	GTT, Pune	38	C Programming	1 week (19 <sup>th</sup> to 27 <sup>th</sup> Aug 2021)
2	Zensar Technologies Ltd. Pune	47	Java	10 days (23 <sup>rd</sup> Aug to 04 <sup>th</sup> Sept 21)
3	Zensar Technologies Ltd. Pune	47	Advance Java	10 days (23 <sup>rd</sup> Mar to 04 <sup>th</sup> Apr 22)



# AEXS Activities 2021-22



**FRESHER'S PARTY :** Axes committee organized “Fresher’s Party” on 7/05/22 to welcome the students of second year in E&TC department. Different competitions and fun games were organized for the newly joined students. All the students of department and faculty enjoyed the program.

**FAREWELL PARTY:** Farewell to Final year students was organized on 08/07/22. Students expressed gratitude towards department through their thoughts.



**GURU PORNIMA :** All the faculties of department are felicitated by Axes committee members on the occasion of Guru Purnima on 13/07/2022.





# Alumni Corner 2021-22

**ALUMNI INTERACTION:** Alumni interaction session conducted for the S. Y. and T. Y. students by Mr. Kapil Agaje on 28/05/2022. He is student of 2016 batch and currently working in Digicom Semiconductor.



**ALUMNI INTERACTION:** Alumni Interaction session was conducted by Mr. Abhijeet Wadepalli on 06/06/2022 for S. Y. students. He is 2012 batch student and currently working in United Kingdom (UK) for Infosys with annual package of 70 LPA.



## ADMISSION FOR HIGHER STUDIES ABROAD



Ms. Priyanka More joined M.S. program at Syracuse University, New York USA. She is student of 2017 batch.

# Social Activities 2021-22

**BIRTHDAY CELEBRATION:** T. Y. E&TC student Ms. Mitali Kavade, along with Robin Hood Army, serving food to poor and needy persons on 29/05/2022



**BIRTHDAY CELEBRATION:** Prof. Vaibhav Nema Celebrated his birthday with orphanage children on 31/03/2022



**MOTIVATIONAL LECTURES:** Prof. I. I. Mujawar conducted total 600 motivational lectures for students of our college and other schools and colleges of Solapur district, teachers and parents. Sir addressed nearly 90,000 people through the lectures.

## जीवनाच्या क्षणभंगुरतेने दिली समाजकार्याची प्रेरणा प्रा. आय. आय. मुजावर यांचे कार्य; गरजूंना मदत व प्रबोधन

सकाळ वृत्तसंवा



सोलापूर, ता. २८ : उपस्थित शिक्षण, शैक्षणिक कार्यात निरंतरता आणि सुखरूपपणे जीवन सुरू असताना, कितलेशी भूकंपासमोरील मदतीला पावले. तेथील मुर्तेद पाहून जीवनाची क्षणभंगुरता तीजने लक्षात आली. त्यामुळे सकारात्मक प्रेरणा घेत सामाजिक कार्य व व्याख्यानांच्या माध्यमातून प्रा. आय. आय. मुजावर यांनी स्वतःच्या जीवनात

### ठळक बाबी ..

- टूटच्या माध्यमातून गरजूंना मदत
- एक लाख लोकांशी संवाद साधण्याचे काम सुरू
- कोरोना काळात नागरिकांचे समुपदेष्टन
- शिक्षकांशी बदलत्या भूमिकेवर संवाद
- दारोज एक मुक्कितार स्वतः तयार करून सर्वांना पाठवण्याचे कार्य
- ऑनलाईन महाविद्यालयाच्या सामाजिक कामात योगदान
- प्रत्येक दिवस ही परमेस्वराची भेट समजून दारोज समाजासाठी उपयोगी कार्य करतात.

नवी कलहणी दिली.

प्रा. मुजावर हे मुख्यत्वे बायोलॉजी (वि. उस्मानाबाद) रहिवासी. अधिपति असलेले प्रा. आय. आय. मुजावर अधिपतिांकी अध्यापन व्यवसायात ते मागील ३९ वर्षे कार्यरत आहेत. पी.व्ही.पी.आय.

टी. बुध्नाथ (सांगली) येथे कार्यरत असताना कितलेशी येथील भूकंपाची घटना घडली. ते महाविद्यालयाच्या वतीने करंडे व पाण्याची मदत घेऊन कितलेशी पोहोचले. भूकंपाच्या आरतीत प्रा. मुजावर व विद्यार्थी ते पोहोचल्यावर

त्यांनी तेथे भूकंपाच्या मुर्तेद पाहिले. जीवनाची ही क्षणभंगुरता अनुभवल्यावर त्यांनी हे जीवन केवळ स्वाधीनते नाही, तर समाजासाठी आहे, ही सकारात्मक प्रेरणा घेत समाजकार्याला सुरुवात केली. त्यानंतर त्यांनी इन्व्हेन्टिव्ह टूटची स्थापना करून प्रत्यक्ष सामाजिक कार्य सुरू केले. या टूटच्या वतीने गरजू मुलांना शैक्षणिक मदत केली जाते. नंतर ते सोलापूरत ऑनलाईन कॉलेज ऑफ इन्व्हेन्टिव्ह लव्ज झाले. सध्या ते अधिकाृत (स्टुडेंट कॉन्सिलींग अँड वेल्फेअर) स्टुडेंट कार्यरत आहेत. त्यांनी डॉ. ए.पी. जे. कलम यांची प्रेरणा घेऊन एक लाख मुलांमध्ये सकारात्मक विचारांचा जागर संवादाला सुरुवात करून घेतला. सकारात्मक जीवनीसाठी,

नैतिक व जीवसमृद्धे या अनुक्रमे ते अबाधितपणे व्याख्येने देतात. इतरांना आनंदी करूनच आपणाला आनंद मिळेल, ही सकारात्मक संवेदना ते मुलांमध्ये प्रेषित करणे ही शिक्षकांची बदलती भूमिकेवर ते व्याख्याने देतात. प्राथमिक आरोग्याचे महत्त्व ओळखून कोरोना काळात शेकडो लोकांना फोन करून त्यांचे कोरोनात धार वाढण्याचे समुपदेष्टन केले. ऑनलाईन महाविद्यालयाच्या आरामसंसार (इन्स्टिट्यूट ऑफ रिमोन्सिबिलिटी) या सामाजिक उपक्रमात त्यांचा सहभाग आहे.



# Social Activities 2021-22

**EXPERT LECTURES & WORKSHOPS:** Faculty members of department conducted expert lectures and practicals for various polytechnic colleges. Thus following faculty members have contributed in the development of the students of other institutes.

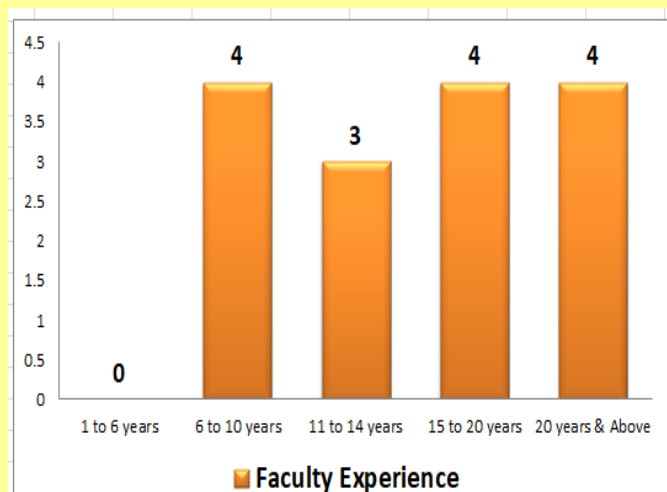
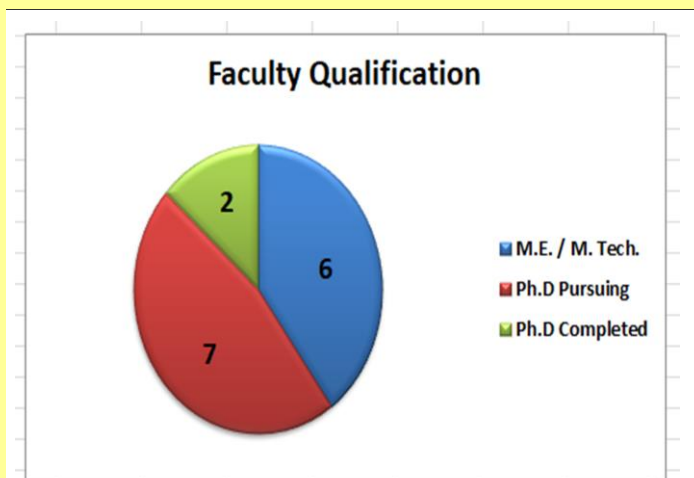
Sr. No.	Name of faculty	Expert lecture Topic and Date	Name of Polytechnic college	No. of students attended
1	Prof. S. S. Dhotre Dr. P. D. Bahirgonde Prof. S. V. Bag Prof. A. A. Chandanshive	Four days workshop on Circuit Simulation using Proteus (30/08 - 02/09/21)	All diploma Colleges in Solapur	30
2	Prof. R.R. Shriram	Three days workshop on Python Programming (23/09 - 25/09/21)	All diploma Colleges in Solapur	70
3	Prof. A. I. Nadaf Prof. A. A. Chandanshive Prof. S. V. Bag Prof. Roshan Pushpan	One day workshop on Introduction to VLab (12/01/21)	Swami Vivekanand Institute of Technology, Solapur	22
4	Prof. R.S. Bakare	One day workshop on Arduino (27/11/21)	SVSMD's KKI Polytechnic, Akkalkot	30
5	Prof. R.S. Bakare	One day workshop on Arduino (08/04/21)	SVSMD's KKI Polytechnic, Akkalkot	25
6	Prof. R. S. Bakare	Industry Automation (11/03/22)	Government Residential Women's Polytechnic Latur	66
7	Prof. U. A. Bongale	Fiber Optic Communication (30/03/22)	Puranmal Lahoti Govt. Polytechnic Latur	65
8	Prof. Roshan Pushpan.	Data Comm. And Computer Networks. (23/04/22)	SVIT Polytechnic Solapur	12
9	Prof. S. V Bag	VLSI with VHDL (23/04/22)	SVIT Polytechnic Solapur	12
10	Dr. P.D. Bahirgonde	VLSI with VHDL (08/05/21)	SVIT Polytechnic Solapur	09
11	Prof. Roshan Pushpan.	Satellite Communication (04/05/22)	SES Polytechnic Solapur	17
12	Prof. A.A. Chandanshive	Arduino Uno (28/05/22)	SVIT Polytechnic Solapur	9





# Faculty Corner

**NEW APPOINTMENTS:** Three well qualified experienced faculties Prof. Vaibhav Nema, Prof. Shubhangi Kashid and Prof. Sonal More joined department in March 2022. The faculty qualification chart and faculty experience bar graph of department after new appointments is as below.



**FACULTY ACHIEVEMENTS:** Achievements of faculty in year 2021-22 is listed as below.

Sr. No.	Name of Faculty	Achievements
1	Prof. P. D. Bahirgonde	Published paper titled "Repeating Pattern Extraction Technique (REPET), a Novel and Simple Approach for Separating the Repeating "Background" from the Non-repeating "Foreground" in a Mixture" in International Journal of Computer Application, November 2021
2	Prof. Akhtar Nadaf	Published a research paper in International Conference on communication, devices and networking 2021 entitled as "Decision tree based classification of SEMG and accelerometer data of sign language".
3	Prof. A. A. Chandanshive	qualified GATE2022 Exam in "Electronics and Communication (EC)" and "Electrical Engineering (EE)".
4	Prof. S. A. Kashid	Published paper in springer journal "Applied Computational Technology", titled "Face Expression Recognition using SVM and KNN classifier with HOG Features, in May 2022.

# Sponsored Laboratories

## FOLLOWING ARE THE SPONSORED LABORITES OF DEPARTMENT.

Sr. No.	Name of Sponsoring Company	Particular	Sponsored Amount
1	Texas Instruments & Edgate Technologies, Pvt. Ltd. Bangalore	Analog System Design Kits	75,960/-
2	E-yantra (Robotics Labs) (IIT, Bombay)	Firebird V2560 Robotic Kit	1,80,473/-
3	Cypress Semiconductor Cooperation, USA	ARM DSP Processor Kit	46,539/-
4	Texas Instruments	Msp430 Lunchbox Embedded Systems Kits	45,000/-



## Department Advisory Board

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