



AISSMS
COLLEGE OF ENGINEERING
ज्ञानम् सकलजनहिताय
Accredited by NAAC with "A+" Grade



Department of Electronics and Telecommunication Engineering

2019-20, SEM -I and II

FACULTY IN THE DEPARTMENT

Sr.No.	Name of faculty	Designation	Sr.No.	Name of faculty	Designation
1	Dr. D S Bormane	Professor - Principal	8	Prof. V.D.Nagrale	Assistant Professor
2	Dr. D.G.Bhalke	Professor - HOD	9	Prof. V.V.Deshmukh	Assistant Professor
3	Prof. K.B.Chaudhari	Assistant Professor	10	Prof. V.S.Navale	Assistant Professor
4	Prof. A.Y.Kazi	Assistant Professor	11	Prof. Y.P.Lad	Assistant Professor
5	Prof. S.B.Dhekale	Assistant Professor	12	Prof. V.B.Gawai	Assistant Professor
6	Prof. N.P.Mawale	Assistant Professor	13	Prof. R.R.Itkarkar	Assistant Professor
7	Dr. P.P.Vast	Assistant Professor	14	Prof. S.A.Takalkar	Assistant Professor

DETAILS OF SUPPORTING STAFF

Name of Non-teaching	Designation	Name of Non-teaching	Designation
Mr. A.D.Paygude	Laboratory Assistant	Mr. G.P.Pimple	Attendant
Mr. S.M.Dhiwar	Laboratory Assistant	Mr. S.P.Gaikwad	Attendant
Mr. S.T.Gajar	Laboratory Assistant	Mr. S.S.Kale	Attendant

Sr.No.	Designation	Number
1.	Professor	2
2.	Assistant Professor	12
3.	Lab Assistant	3
4.	Attendant	3

LABORATORY IN THE DEPARTMENT

Sr. No.	Name of Laboratory
1	Process Automation and Instrumentation
2	Basic Electronics Laboratory
3	Communication Laboratory
4	VLSI
5	Power Electronics
6	Signal Processing and Embedded
7	Circuit and Simulation
8	Post Graduate
9	Project

Software Available

Sr.No.	Software		
1	Windows 7	8	Proteus 8.1
2	Linux	9	Multisim 13
3	Xilinx	10	PSIM
4	Microwind	11	Side 51, Side Arm, Side Terminal, Microchip
5	Matlab	12	eclipse
6	Code Composer Studio	13	Dev C++
7	CAD Feko	14	Arduino

Sr. No.	Name of Laboratories	Cost in Rs
1	Under Graduate Laboratories	Rs. 2 Crore 12 lakhs 01 thousand 7 hundred 49.68
2	Post Graduate Laboratory	Rs.29 lakhs 91 thousand 6 hundred14.39
3	Total	Rs. 2 Crore 41 lakhs 93 thousand 3 hundred64.07

STUDENT ENROLLMENT

Program	GEN		SC		ST		OBC		Others		Total Students
	M	F	M	F	M	F	M	F	M	F	
FE (Electronics and Telecommunication)	20	11	4	2	0	0	8	6	7	3	61
SE (Direct Second Year)	4	3	2	2	0	0	3	1	0	2	17
PG (VLSI and embedded)	1	1									2
Total											80

CLASS RESULT ANALYSIS

SN	Class	No. Of Students							Percentage of Passing		Students Promoted to higher Class
		Appeared	Clear Passed	Dist	I st Class	Higher II nd Class	II nd Class	Fail	All Clear	With ATKT	
1	SE (E & Tc)	59	35	34	1	0	0	0	59.32	40.68	59
2	TE (Elex)	23	3	1	2	0	0	3	10	90	20
3	TE (E & Tc)	64	41	11	26	4		3	64.06	95.31	61
4	BE (Elex)	44	43	7	23	11	0	1	97.72	-	

ACHIEVEMENTS OF FACULTY

SN	Name of Faculty	Awards & Recognition
1	Dr. D G Bhalke	Best Teacher Award , AISSM Society, PUNE
2	Mr. N P Mawale	Excellent Award for BEST Teacher from MTRES
		Excellent Award for BEST faculty from GECL- 2K19
		Excellent Award for BEST Academician from GECL- 2K19
3	Dr P P Vast and Ms V S Navale	First Prize in “ Aatmanirbhar- COVID 19 Start Up Competition ” organized by AISSMSCOE on 25th June 2020



CONTRIBUTION OF FACULTY (Interaction with outside world)

SN	Name of Faculty	Nature and details of contribution (Representation at University, State, National , International level)
1	Dr D S Bormane	Chairman,BOS E&TcEngg, SPPU
2	Dr D G Bhalke	Subject Chairman(University Level): Project Stage I
		Delivered keynote talk on Recent trends in Audio signal processing at International conference at Belgaon Karnataka
		Delivered webinar on effective online teaching for OBE at Jaihind College Kuran
		Delivered webinar on Challenges and opportunities for ETC at NMIT Talegaon
3	Ms K B Chaudhari	Subject Chairman(University Level): IOT (BE Elex),
4	Mr A Y Kazi	Subject Chairman (University Level): Biomedical Electronics (BE Elex)

5	Mr S B Dhekale	Subject Chairman (University Level): DSA (SE E&TC), OOP (SE E&TC)
6	Mr N P Mawale	i. Advisor Representative of Engineering College (National Level):committee of Institution of Engineers(India) ii. Subject Chairman (University Level):
7	Ms V D Nagrale	Subject Chairman (University Level):VLSI(BE Elex)
8	Ms V V Deshmukh	Subject Chairman (University Level):DSP&A (TE Elex), CN&S (BE Elex)
9	Ms V S Navale	Subject Chairman (University Level):APE (BE Elex)
10	Mr V B Gawai	Subject Chairman (University Level): Hackathon Final Round IIT Hyderabad (National Level): Faculty Mentor

**CONFERENCES/ SYMPOSIUMS ATTENDED BY THE DEPARTMENT
FACULTY**

SN	Name of Faculty	Number of Conference Attended	S N	Name of Faculty	Number of Conference Attended
1	Dr.D S Bormane	5	9	Ms V S Navale	1
2	Dr D G Bhalke	1	10	Mr V B Gawai	1
3	Ms K B Chaudhari	2	11	Ms R R Itkarkar	3
4	Mr A Y Kazi	1	12	Ms S A Takalkar	1
5	Mr S B Dhekale	1			
6	Mr N P Mawale	1			
7	Dr P P Vast	1			
8	Ms V V Deshmukh	2			

ONLINE COURSES / CERTIFICATE COURSES COMPLETED BY FACULTY

S N	Name of Faculty	Number of Online Courses Attended
1	Dr D G Bhalke (Professor)	3
2	Ms K B Chaudhari (Assistant Professor)	1
3	Ms V D Nagrale(Assistant Professor)	1
4	Ms V S Navale(Assistant Professor)	1
5	Ms Y P Lad (Assistant Professor)	1
6	Mr V B Gawai (Assistant Professor)	1
7	Mr.A D Paygude (Lab Assistant)	4
8	Mr. S M Dhiwar (Lab Assistant)	8
9	Mr. S T Gajar (Lab Assistant)	3

S N	Courses Attended	Number of Online Courses Attended
1	Faculty	8
2	Lab Assistant	15

EXTENSION LECTURES for Audit Course (DELIVERED BY VISITING GUESTS)

SN	Name of faculty coordinator	Topic	Name and contact details of guest	Date
1	Ms. R RItkarkar	Japanese language	Mr. ChandrashekharRathod– (Sandesh Japanese Services Karvenagar, Pune)	SE (E & TC) 03/10/19, 05/10/19
2	Ms. R RItkarkar	Japanese language	Mr. ChandrashekharRathod– (Sandesh Japanese Services Karvenagar, Pune)	BE(Elex) 30/9/19, 03/10/19 09/10 /19, 11/10/19
3	Ms. R RItkarkar	Information and Cyber security	Mr. Kamaljeet Singh & Nirranjan Reddy (Netclove System Pune)	26/09/19, 19/10/19

FACULTY AS EXPERT/RESOURCE PERSON OR CHAIR PERSON

Sr.No.	Name of Faculty	Title of Activity	Organizing body
1	Dr. D G Bhalke	1. Expert Talk in various Colleges under UGC Scheme for mentoring NAAC Aspirant Institutes to promote Quality Assurance in Higher Education	1) CSMSS College of Aurangabad 2) DIET, Satara 3) Parikrama Group of Institution, Kashti
		2. Expert lecture on Signals & systems	PVPIT, Bawdhan, RSCOE Pune, NTC Narhe
		3. Key note talk on Recent trends in Audio Signal Processing in International	Belgaum Karnataka
		4. Delivered webinar on Effective Online Teaching for OBE at Jaihind College Kuran	Jaihind College Kuran
		5. Webinar on Challenges and Opportunities for E&TC at NMIT Talegaon	NMIT Talegaon
2	Mrs K B Chaudhari	Panelist for the webinar on 'Taking charge of yourself'	Government College of Engg, Aurangabad
3	Mr N P Mawale	Expert Lecture on, 'Importance and Benefits of IEI Student Chapter'	AISSMS Polytechnic, Pune
		Expert Lecture on, 'Role of Students Chapter in Engineering Education'	AISSMS Polytechnic, Pune
		Workshop on, "Students chapter professional societies and it's effectiveness"	SantGajananMaharajCOE, Shegaon
		Expert lecture " Sequential Circuits and Sequence Detector"	SE Computer Second shift ISSstudents AMS COE

Sr. No.	Faculty Coordinator	Name of Organization	Date of MoU Signed	Valid up-to
1	Dr. D G Bhalke	Automation Anywhere	2019-20	-
2	Mr. N P Mawale	ioCare, Pvt Ltd ,Pune	2018-19	3 YEAR
3	Ms K B Chaudhari and Ms V D Nagrale	RFT Mindz Pvt. Ltd., Pune	2018-19	3 YEAR
4	Ms. R RItkarkar	Design Arena	2017-18	5 YEAR
5	Mr.V.B.Gawai	S.M.TechnologyPvt.Ltd	2018-19	3 YEAR

STUDENTS' CHAPTERS /CLUBS

Sr. No	Name of Students' Chapter
1	Institution of Engineers (India), Students' Chapter
2	Aviot –O-Virtue Drone and Robotics Club
3	Robotics and Process Automation Centre
4	Coding Club
5	EFY Skill Development
6	Film Club
7	IEEE Student Branch
8	ISTE Chapter
9	Data Analytics Club

EXTENSION ACTIVITIES CONDUCTED BY THE DEPARTMENT

SN	Name of Faculty Coordinator	Details of activity conducted	Date	No. of participants
1	Mr S B Dhekale	Online Quiz on Python Programming	21/5/2020	500+
2	Mr N P Mawale &Mr V B Gawai	Quiz on Robotics Quiz on Drone	1/6/2020 to 25/6/2020 1/6/2020 to 25/6/2020	500+ 500+
3	Mr V B Gawai	Online Quiz on PLC & SCADA	17/5/2020	300+
4	Mr N P Mawale	Online Quiz on Shahu Maharaj	26/6/2020 to 15/7/2020	2200+

EVENTS ORGANISED

S.N	Date	Name of Activity	Topic	Speaker/Organizer(s)	No. of Participants
1	02/07/2019	Expert Lecture (L)	Awareness of NPTEL Online Courses of IITs , Examination, Its Importance and Registration Process	Prof R R Itkarkar Prof N P Mawale	45
2	09/07/2019	Film Show	IC Fabrication Process: Silica to Silicon(VLSI)	Prof V D Nagrale BE Electronics Students	30
3	12/07/2019	Workshop (WS)	Leadership Development in Women Professional Entrants	Mrs. PritiMunshi Senior Delivery Manager (IT) Principal Global Services, Pune Prof. N P Mawale	41
4	16/07/2019	Get Together	Gurupournima Celebration	SE E &TC Students Prof N P Mawale	55

S.N	Date	Name of Activity	Topic	Speaker/Organizer(s)	No. of Participants
5	16/07/2019	Get Together	Selfi with Guru Campaign	SE, TE and BE Students Prof N P Mawale	150
6	16/07/2019	Tree Plantation	Tree Plantation	SE, TE and BE NSS Students	20



Students participated in Tree Plantation



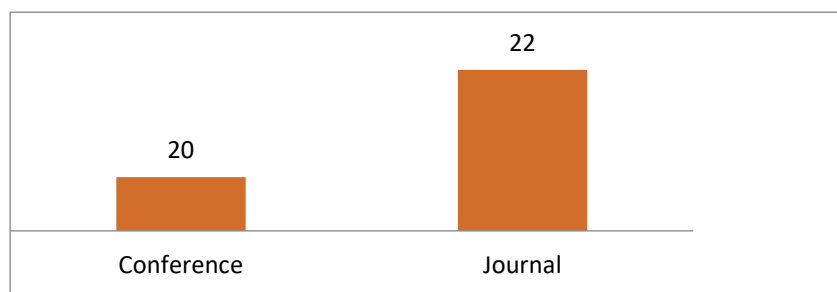
Mrs.PritiMunshi, Senior Delivery Manager(IT), Principle Global Services, Pune guiding students during workshop



Gurupornima Event organised by students

PAPERS PUBLISHED IN PROCEEDINGS OF CONFERENCES/JOURNAL

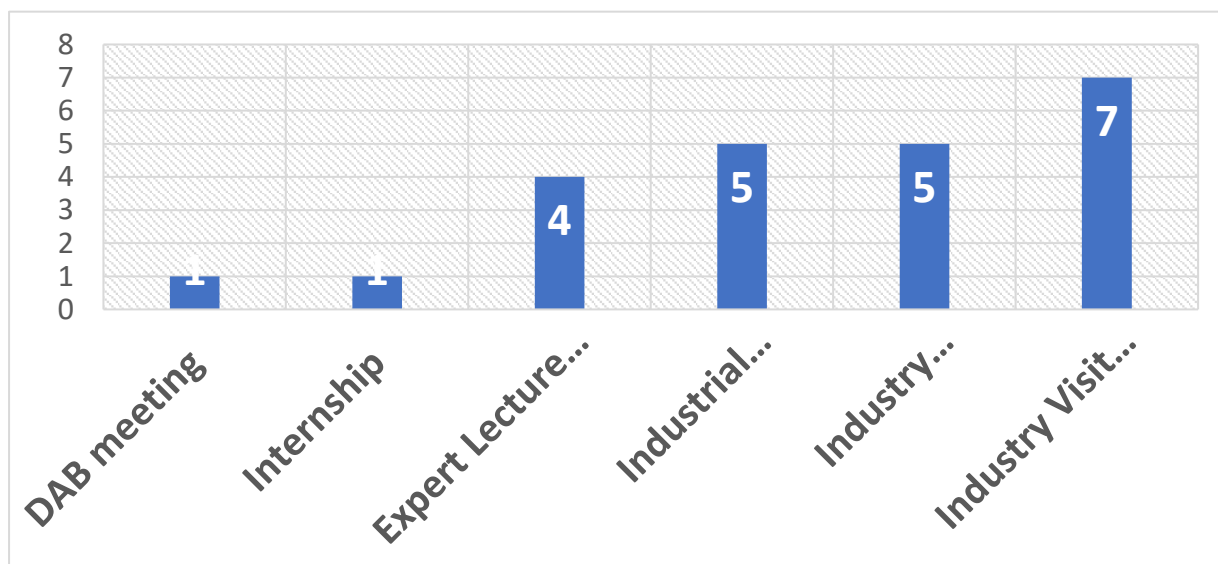
Sr No.	Name of Faculty	Name of the Patent	Patent Number and Date	Type (National/ International/Commercialized)
1.	Vidya V. Deshmukh	Microwave sensors for Non Invasive determination of blood Glucose level	20354, applied:09/04/2019	National



PG AWARDED

Sr No	Name of Supervisor	Title of Thesis	Name of Candidate
1.	Dr.D.S.Bormane	Design & analysis MIMO microstrip antenna with improved mutual coupling for wireless application	KumbharPreeti R.
2.	Dr.Bhalke D.G	Bandwidth and Gain Enhancement and Harmonics suppression of Microstrip Patch Antenna for WLAN Application	ThoratSunita P.
3.	Prof.K.B.Chaudhari	Audio Classification	PatilSumedha S.
4.	Prof.A.Y.Kazi	Design and analysis spiral structure microstrip antenna for Medical application	DhiwarShashibhushanM.
5.	Prof S.P.Bhosale	Performance analysis of different wavelet transform in image denoising application	Jaybhaye Prajkta D.
6.	Prof.V.V.Deshmukh	Design of Wideband Passive Radar System	Kale Siddhanath H.

INDUSTRY RELATED ACTIVITIES





DAB Meeting



Industry Visit to METRO Station for SE,TE,BE Class

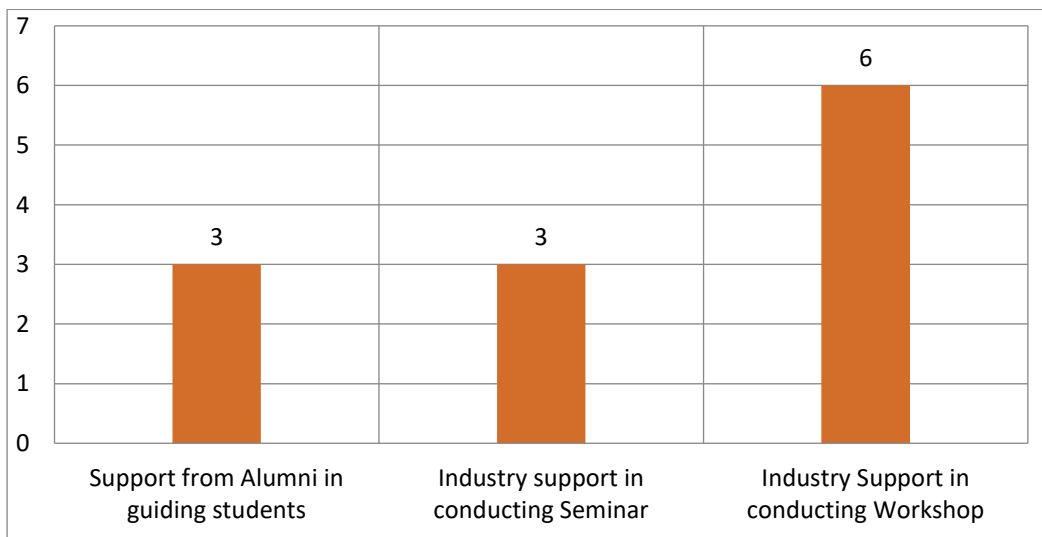


Industry Visit to METRO Station for SE,TE,BE Class



Industry Visit to Sugar Factory for TE E&TC

WORKSHOPS/SEMINARS/COURSES CONDUCTED WITH INDUSTRY SUPPORT/COLLABORATION (FOR STUDENTS)



STUDENTS' ACHIEVEMENT(Individual Level)

Sr.No.	Name of Student	Details of Achievement (State/University/ National/International Level)
1	Aridam Pal(SE E&TC)	Third position in Botathon competition with prize of Apple ipad, National Level
2	ShrutiPalsutkar(BE E&TC)	Elected as a student representative on All India Student Committee of IE student chapter, National Level
3	MamataPatni (SE E&TC)	1 st Position in Debate competition organized by Times of India at AISSMS COE,Pune
4	KondalkarDevendra (TE E&TC)	QAQ Quiz Competition Second Prize DY PatilPimpri, National Level event organized by D Y PatilPimpri
5	KondalkarDevendra	Digimania ET 2019 First Prize, National Level event organized by AISSMS COE,Pune
6	(TE E&TC)	Electro trade ET 2019 Second Prize, National Level event organized by AISSMS COE,Pune
7	KondalkarDevendra	Gyan Ganga Quiz Competition ET 2019 (Civil) Second Prize, National Level event organized by AISSMS COE,Pune
8	KondalkarDevendra	Gyan Ganga Quiz Competition ET 2019 (Civil) Second Prize, National Level event organized by AISSMS COE,Pune
9	(TE E&TC)	Technical Cross world ET 2019 (Electrical) Fisrt Prize, National Level event organized by AISSMS COE,Pune
10	PranavLalwadia (TE E&TC)	Gyan Ganga Quiz Competition ET 2019 (Civil) Second Prize, National Level event organized by AISSMS COE,Pune
Sr.No.	Name of Student	Details of Achievement (State/University/ National/International Level)
12	KedarPawar (SE E&TC)	Certified trainer for Automation Anywhere training course, National Level
13	AshwjeetKambale (SE E&TC)	Certified trainer for Automation Anywhere training course, National Level

Total number of Student Achievements (Technical) at Individual level:13

STUDENTS' ACHIEVEMENT (Team)

Name of Student	Details of Achievement (State/University/ National/International Level)
AbhishekAnand Lad and Team	1. Robo Soccer, Elan'nVision, IIT Hyderabad; (14Feb to 16Feb 2020) 2. Robo Soccer, Wisseniare, IIT Bhubaneswar; (1Feb to 3Feb 2020) Secured 1st Position KICKOFF (Winners) 3. Robo Soccer, Dhruva, I2IT Pune (17Feb 2020) Secured 1st Position (Winners)
RuturajPatil and Team	4. Robo Soccer, Alacrity, AISSMS IOIT Pune; (18Feb to 20Feb 2020)
KiranTondchore and Team	5. Robo Sumo, AIT Pune (16Feb 2020) Secured 1st position (Winners) 6. Drone Challenge, Alacrity, AISSMS IOIT Pune; (18Feb to 20Feb 2020) Secured 1st position (Winners)

STUDENTS' ACHIEVEMENT (Team): 6

STUDENTS' ACHIEVEMENTS (other than Professional) (Individual Level)

Name of Student	Details of Achievement (State/University/ National/International Level)
SwapnilShivajiPawar	COVID-19(State level)
SwapnilShivajiPawar	NSS Coordinator
SwapnilShivajiPawar	Joint General Secretary NSS
MeghnaNagdive	2 nd Prize in Firodiya Dance Competition
MiheekaKhair	Best Elegant Award in DIVA 2020 organised by AISSM Society

STUDENTS' ACHIEVEMENTS (other than Professional) (Individual): 5

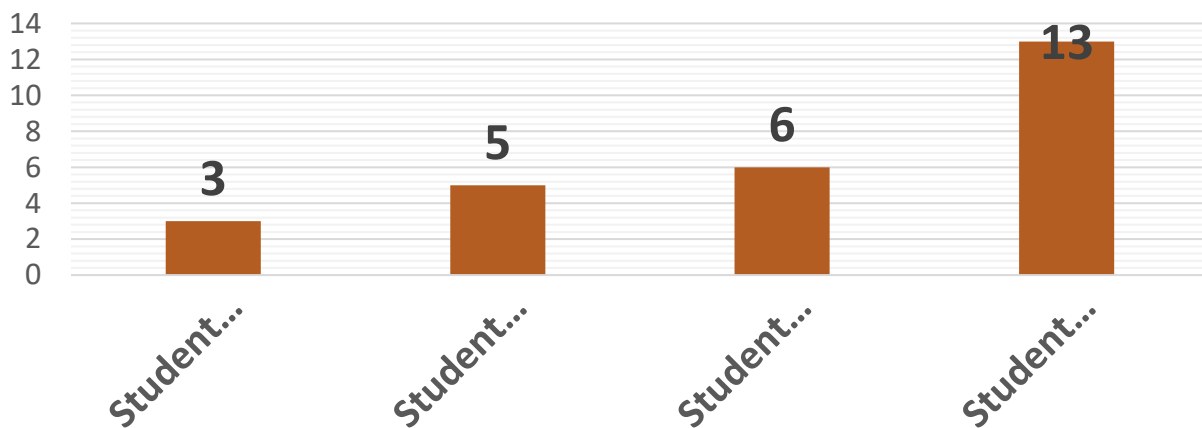
SOCIAL ACTIVITIES ORGANISED

Faculty coordinator	Name of Activity	Date, Duration	Number of students involved
Ms. R RItkarkar	Tree plantation program	23/06/2019	10 from E&TC
Mr. A Y Kazi	Tobacco free campaign	11/07/2019	10
Mr. N P Mawale	Social Event to Help Flood Affected People at Kolhapur during	SE E&TC 19/08/2019 to 23/08/2019	12



Mr. Swapnil Pawar awarded as COVID Warrior

STUDENTS' ACHIEVEMENTS



Arindam Pal secured 3rd position in BOTATHON



MamtaPatani Secured first place in "Speak for India Competition"



Debate Competition Winners



Winners in RoboCompetition

DETAILS OF STUDENT COUNSELING AND CAREER GUIDANCE AT THE DEPARTMENT LEVEL

Number of students referred for counseling	2
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Faculty coordinator	CAREER GUIDANCE ACTIVITY DETAILS
Prof. R RItkarkar	<p>22/07/2019 to 30/07/2019 Soft Skill Training Conducted for BE (Electronics)</p> <p>Activities Conducted</p> <ol style="list-style-type: none"> 1. Group Discussion Session 2. Preparation for Personal Interview 3. Strengthening Communication Skills 4. C.V Writing

NOTEWORTHY ACHIEVEMENT OF THE DEPARTMENT

Sr. No.	Details
1	E&TC dept. IE student chapter won “AMITABH BHATTACHARYYA MEMORIAL TROPHY” for Best Engineering College IE Students Chapter for AY 2018-19
2	Department of E&TC received, Best Department trophy of Engineering Today 2019-20 . This trophy was awarded during annual function on 14 th Feb 2020.



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SUMMARY SHEET

Sr No	Activity/ Item	Numbers
01	Students in the department	198
02	FDP/STTP/Seminars/Conferences/Workshops/ Symposiums organized by the department	FDP:10 Seminar/Webinar:34 Conference:01 Workshop:06
03	FDP/STTP/Seminars/Conferences/Workshops/ Symposiums attended by the department faculty	FDP/STTP:102 Seminar/Webinar:350+

		Conference:05 Workshop:06
04	Extension lectures (lectures delivered by visiting guests)	04 guests for 4 subjects (each of 30 hrs session)
05	Faculty served as resource person, expert or chairperson	DGB:07 NPM:04 KBC:01 Total:12
06	Students' chapter /clubs	06
07	Student events organized	87
08	Papers published in proceedings of conferences	13
09	Papers published in referred journals	07
10	Patents and other IPR	01
11	Students placed	04
12	ME Awarded	06
13	Industrial visits conducted	07
14	Expert lectures delivered by industry experts	04
15	Industry –sponsored projects (UG/PG)	04
16	MOU signed with industry	04
17	Faculty members undergone industrial training	05
18	Students undergone in-plant training and (or) internship programme	01
19	Workshops/seminars/conferences/courses conducted with industry support/collaboration (for students)	10
20	Support from alumni	03
21	Sports / cultural achievements of students (Individual level)	03
22	Number of student counseling and career guidance sessions organized	Student Counseling: once in week with mentor Career Guidance Expert Talk:02,

		Career Guidance: soft Skills (1 week for every class)
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INITIATIVES TAKEN BY DEPARTMENT

Sr.No.	Initiatives
1	IEEE Student Branch
2	Techno Socio Club
3	Data Analytics Club
4	EFY Skills Development Centre
5	Coding Club

FUTURE PLANS OF THE DEPARTMENT

Sr.No.	Future Plans
1	NBA Accreditation
2	Industry Sponsored Lab
3	Launching of Certificate Courses
4	Strengthening of Industry Institute Interaction

SWOC

Strengths

- Experienced Faculty
- Effective Teaching – Learning Process
- Industry Institute Interaction
- Centre of Excellence

Weakness

- Consultancy
- Research grants
- Less number of PhD Faculties

Opportunities

- Research, Development and Consultancy.
- Faculty Qualification up gradation
- Training Program ,Consultancy and Projects in association with Industries

Challenges

- Dynamic changes in technology
- To improve number of Patents and Copyrights
- Placement in core Industries