



The Shetkari Shikshan Mandal

Bhivarabai Sawant College Of Engineering & Research

Accredited by NAAC With 'A' Grade

(Approved by A.I.C.T.E. & Govt. of Maharashtra Affiliated To Savitribai Phule Pune University
West/1-3669721/2010.New dated 13 Jul 2010.)

S.No. 12/1/2 & 12/2/2, Narhe, Taluka-Haveli, Pune-411041.

Phone : 020-24608500/01 Website : www.tssm.edu.in

Email : principal@tssm.edu.in

Dr.G.A.Hinge

Ph.D.LMISH

PRINCIPAL

Prof.Dr.T.J.Sawant
BE(Elec.), PGDBM, Ph.D
PRESIDENT

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Sr.No	Name	Digital Page No
1.	Conduction of Faculty Development Program by IQAC	2
2.	IPR support facility	9
3.	Feedback on teaching learning ,curriculum, Ambience	10
4.	Academic and Administrative Audit(AAA)	11
5.	Tests Question Paper Reviewed by Committee	17
6.	Sample proof of result analysis	19
7.	Participation in accreditation and ranking	20




Principal,
BSOER,Pune.
PRINCIPAL
TSSM's Bhivarabai Sawant College
of Engineering & Research
Narhe, Pune - 411 041

To,
The Principal,
BSCOER, Narhe,
Pune-41.

Date: 08.08.2022

Subject: Budget for FDP on "Essentials for Research Paper writing"

Respected Sir,

As we are organizing a one day FDP for our Teaching faculties at our campus on 13/08/2022 following is a tentative budget for the same.

SR.NO	DESCRIPTION	QUANTITY	AMOUNT
1	Flex board	4''x 3''	Rs. 200
2	Certificates	15	Rs. 180
3	Refreshment	20	Rs. 450
4	Miscellaneous	-	Rs.50
TOTAL			Rs. 880

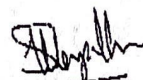
Therefore, I kindly request you to sanction the above said amount.

Thanking You,

Yours Sincerely



Prof. K. S. Bhosale
Coordinator



Dr. S. B. Allampallewar
H.O.D



TSSM'S
Bhivarabai Sawant College of Engineering and Research,
Narhe, Pune-41.



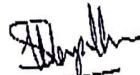
Staff Coordinators for Essentials for Research Paper writing -
August-2022

Following faculty members are appointed as Coordinators for training program which is scheduled on 13th August 2022.

Sr.No	Name of Faculty	Activity	Mobile No
1	Prof. K. S. Bhosale	Inauguration and Valedictory	9604378729
2	Prof. N. P. Khatmode	Session arrangement/ Monitoring and Attendance	7387888989
3	Prof. S. D. Patil	Online feedback and Anchoring	9011070102
4	Prof. V. S. Dhote	Refreshment/flex board printing	9503679817
5	Prof. S. P. Sawant	Speaker/Mike arrangement and photography	8483935510

All the faculty Coordinators are requested to coordinate the said activities for smooth conduction of the Training program.


Prof. K. S. Bhosale
Co-ordinaor


Dr. S. B. Allampallewar
H.O.D


Dr. G. A. Hinge
Principal



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One Page Report- FDP on Essentials for Research Paper writing

1. **Name of The Event:** Faculty Development Program on Essentials for Research Paper writing
2. **Date of Event:** 13/08/2022
3. **Time of Event:** 02:30 pm to 03:30pm
4. **Venue Of Event:** Seminar Hall (B build. 410)
5. **Event organized for:** All Teaching staff
6. **No. of Teaching present or attended for Event:** 13
7. **No. of staff Organizer:** TSSM's BSCOER Civil Engineering Department.

Sr. No	Name of Staff	Mobile No.	Sign
1.	Prof. Mrs K. S. Bhosale	9834949196	

Brief about Event:

The FDP was organized by Civil Department of TSSMs Bhivarabai Sawant College of Engineering and Research to encourage all the faculties to write research paper. The chief guest of the program was **Prof. Dr. G.A. Hinge**, Principal, TSSM BSCOER. **Prof Dr. G. A. Hinge and Dr. S. B. Allampallewar (HOD Civil Engineering Department)** guided the teaching staff about the essentials of writing a good research paper. This FDP was very helpful for the new faculties to enhance their skills and improve the number of research papers in future.


Prof. Mrs K. S. Bhosale
Event Coordinator


Dr. S.B. Allampallewar
Head of Department

TSSM's
Bhivarabai Sawant College of Engineering and Research, Narhe, Pune-41
Department of Civil Engineering

Date: 10/08/2022

Notice

The Department of Civil Engineering of TSSM's BSCOER is organizing one day FDP on "Essentials for Research Paper writing" on 13th August 2022.

The detailed schedule is as follows.

Date and Time: 13th August 2022 and 02:30 pm to 03:30pm

Venue: B – Building – Seminar Hall (B-410)



Prof. Mrs K. S. Bhosale
Co-ordinator



Dr. S. B. Allampallewar
H.O.D



TSSM BHIVARABAI SAWANT COLLEGE OF ENGINEERING AND
RESEARCH, NARHE



CERTIFICATE

Of Appreciation

This certificate is presented to

for participating in the Faculty Development Program on "*Essentials for Research paper writing*"
organized by Civil Engineering Department of TSSM's Bhivarabai Sawant College of Engineering
and Research on 13.08.2022.

CO-ORDINATOR

HEAD OF DEPARTMENT

PRINCIPAL

Sample Certificate



TSSM'S
Bhivarabai Sawant College of Engineering and Research,
Narhe, Pune-41.



Professional Development Program

Workshop on Essentials for Research Paper writing

Date: 13 / 08 / 2022

Attendance		
Sr. No.	Name	Sign
1.	Prof. N.R. Patil	
2.	Prof. S.D. Patil	
3.	Prof. N. P. Khatmode	
4.	Prof. P. R. Pazare	
5.	Prof. P. V. Suryawanshi	
6.	Prof. S. R. Dhane	
7.	Prof. M. A. Lathe	
8.	Prof. S. S. Ambhalkar	
9.	Prof. S. B. Allampallawar	
10.	Prof. S. P. Sawant	
11.	Prof. V. S. Dhote	
12.	Prof. N. D. Patil	
13.	Prof. K. S. Bhosale	
14.	Prof. P. S. Parande	

Coordinator

H.O.D



TSSM's Bhivarabai Sawant College of Engineering & Research,
Narhe, Pune 41



Feedback Form

	Very satisfied	Satisfied	Neutral	Unsatisfied	Very Unsatisfied
Overall Satisfaction	✓				
Location		✓			
Content	✓				
Speaker	✓				
Organization		✓			

How can we improve this Event?



TSSM's Bhivarabai Sawant College of Engineering & Research,
Narhe, Pune 41



Feedback Form

	Very satisfied	Satisfied	Neutral	Unsatisfied	Very Unsatisfied
Overall Satisfaction	✓				
Location	✓				
Content		✓			
Speaker	✓				
Organization		✓			

How can we improve this Event?

[illegible]



TSSM's

Bhivarabai Sawant College of Engineering and Research, Narhe, Pune-41
Department of Computer Engineering



Faculty/ Parents/ Employer/ Alumni/ Students Feedback on
Curriculum and Structure Design/ Review

Department: Computer Engineering

AY: 23-24

Kindly rate on the scale of 1 to 10. Consider 10 excellent and 1 poor.

Q. No.	Question	Rating on 1 to 10 scale	Remarks
1	Bridge the gap between industry requirements and academia.	8	
2	Potential for Employability.	9	
3	Curriculum covers the latest state of art topics.	8	
4	Reference material and books available.	8	
5	How satisfied are you with the facilities provided by the college?	9	
6	Evaluation methods for providing proper assessment.	8	
7	Hands-on component in the Curriculum is satisfactory	8	
8	Covers of socially relevant issues.	9	
9	Curriculum gives inputs to students for business acumen and ethical practices.	7	
10	Knowledge gain through experiential learning.	8	

Comments (If Any): _____

Name: Sejal Patil

Sign: [Signature]

(Note: Feedback is to be taken at the end of every Academic Year from all stake holders)





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 Ph. D LMISH
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Academic and Administrative Audit

Date of Audit: 3/6/2024

Year: 2023_2024

Name of Visiting Committee member:

1. Dr. A. D. Diwale [Internal]
2. Dr. P. N. Shinde [Internal]
3. Dr. S. A. Choudhari [External]

[Signatures of committee members]

Academic Audit

Name of Departments Audited	E & TC, Civil Engg, Computer Engg. Mechanical, Electrical & First year Engg.
Academic Reports	
Particular	Observations of Committee
1. Class wise Roll Call	Roll call list of ESE, TE & BE is available & displayed on Notice board with students.
2. Class Wise Timetable	Class wise Time table is available in respective dept with Master Time table & displayed on Notice board.
3. Module Coordinator Report	AMC/department academic co-ordinator shown module wise academic report along with remarks.
4. Guardian Faculty Member (GFM) Record	GFM co-ordinator maintained class wise GFM records along with meetings.
5. Detail Annual Report	Each department prepared & maintained their Annual report.
6. Library	Department library is maintained with sufficient no. of titles & central library records are seen.
7. Exam Section	Chief Examination officer along with dept. Exam co-ordinator maintained all records w.r.t Examination conducted.



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. Administrative Audit

1. Institute Office

Particular	Observations of Committee
1. Student Section	students enrollment & PEN numbers along with students eligibility, & admission records & university correspondence records are seen.
2. Account Section	Account section maintained all students & faculty data
3. Scholarship Section	Information about various scholarships such as EBC, EWS, etc are available & students applications are seen.
4. Establishment Section	All the data related to faculty leave & personal files is maintained.
5. Any Other	The office superintendent is available to resolve all the facts related to faculty & students correspondence with S.P.P.U.

[Signature]

[Signature]

[Signature]



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2. Physical Facilities

Facility	Observations of Committee
Indoor Facility	
Classrooms/ Tutorial Room	Required number of classroom & tutorial rooms are available with infrastructure (ICT tool)
Laboratory	The dead stock of all laboratory is well maintained with updates.
Seminar Hall	Central Seminar Hall at A building is equipped with all ICT facilities.
ICT Facilities	ICT facilities are available such as smart board, wifi, moodle & projector.
Students Common Room	Girls & Boys common Room is available with necessary facilities & found clean.
Central Store	Campus central store maintained all necessary stock registers.
Staff Rooms	Faculty seating arrangement with Internet facility is available.
Gymnasium	For necessary fitness of students & faculty, gymnasium is well maintained at 'B' building.
Hostel	Hostel are available in campus with washing machine, RO water & Internet wifi facility.
Canteen	Timely canteen service is available.
Outdoor Facility	
Sports:	Play ground & lawn is well maintained with various sports facility.
Transport	Institute provided transport facility across the pune city & parking area is sufficient.
Medical Facility	Institute has its own ambulance for timely medical treatment.
Open Cafeteria	Multiple cafeteria is found in campus.
Street Lights	Campus is maintained generator backup & decorative street light are found.
Internal Roads	Adequate road with for easy movement is found.
Security _ CCTV	24x7 security persons & guards are deputed. Also CCTV found at various location.

(Signatures)



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3. IT Infrastructure

Particular	Observations of Committee
Central Computing Center	Computing facility is found at 'A' building along with server room & back up. Also department maintains computer labs.
Language Lab	Language Room/Lab is available for students & faculty.
Internet Facility	Fibre Line Internet is found with 300 mbps speed.
Digital Recording Studio	Control recording studio is available for digital content development.

4. Training and Placement

Particular	Availability/ Status
Training Programs	The T & P officer shows various records about students training conducted for skill & aptitude update.
Placement Drives	T & P office maintained records about students placement drives.
Higher Studies	All department TPC & T & P maintained students.
Competitive Exam	Students preparing for state & National competitive exams are guided through TPO office.
Alumni	Alumni records & their scheduled meets records are maintained.

(Handwritten signatures)



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5. Institutional Activities:

Particular	Availability
Extension Activities, NSS	Extracurricular activity records are maintained by sports, cultural & NSS coordinator.
Students Council	Student council records are available with office.
Extracurricular Activities	Department & Institute level extracurricular Records available
Institute Maintenance Cell	Campus maintenance supervisor is available. Soft token generation system is available for maintenance of laboratory
Appraisal System	Establish department & O.S maintained appraisal documents of faculties.
Other Activities	Various cultural & festival day are celebrated & records available.
IQAC	IQAC MOM are separately maintained.
Committees for Smooth Functioning	
a. Reservation Cell b. Student Grievance Redressal c. Internal Compliant & Grievance Redressal Committee d. Anti-ragging Committee e. Hostel Committee f. Women Grievance & Anti sexual Harassment g. Discipline Committee	Various cells are existing to support day to day activities and to resolve students issues if any.

(Signatures)



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Overall Observations:

- Strengths:**
1. Mentoring & counselling facility for students.
 2. Dedicated & Hardworking faculties
 3. Good outdoor facilities such as playground, gym, & hostel
 4. Skill base center PMKVY (Pradhan Mantri Kaushal Vikas Yojna) available
- Weakness:**
1. Faculty research publications in high impact journals
 2. Poor Communication skills among students
 3. Need to improve appreciation of faculties in extension activities
- Opportunity:**
1. Faculty must pursue higher qualification such as PhD
 2. Needs in enhancement about skill set of students
 3. Collaborative activities need to be improved
- Challenges:**
1. Students input merit is low. Hence more focus on teaching learning skills on such students needed.
 2. To minimize distracted screening hours on social media of students & direct them to put on learning platforms
- Any Other Observations:**
1. Good Teaching learning practices
 2. Guardian faculty members faculty is strongly active
 - 3.

Sr. No	Name of Committee Member	Sign
1.	Dr. A. D. Diwate [Internal]	
2.	Dr. P. N. Shinde [Internal]	
3.	Dr. S. A. Choudhari [External]	



TSSM's
Bhivarabai Sawant College of Engineering & Research, Narhe,
Pune-41

T.E. (E & TC) Unit Test - I Examination
DATABASE MANAGEMENT
(2019 Pattern) (Semester - I)

Time : 1 Hour]

Passing Marks : 12

[Max. Marks : 30

Instructions to the candidates:

Date: 30/8/2023

- 1) *Solve Q1 or Q2, Q3 or Q4.*
- 2) *Figures to the right indicate full marks.*
- 3) *Neat diagrams must be drawn wherever necessary.*
- 4) *Assume suitable data, if necessary.*

Q.No		Questions	Mark	CO	CL	KL
Q1)	a)	Explain primary key and foreign key with suitable examples.	[6]	CO1	U	C
	b)	What are the different mapping cardinalities? Explain different types of cardinalities for a binary relationship with example.	[5]	CO1	R, U	F
	c)	Explain Entity-Relationship (E/R) diagram in detail.	[4]	CO1	U, AI	D
		OR				
Q2)	a)	Define the term in relational model : i) Tuple ii) Relational Scheme iii) Relational Instance	[06]	CO1	R	K
	b)	Explain in detail levels of abstraction.	[05]	CO1	R,Ap	M
	c)	Explain the concept of specialization and generalization in E-R Model using suitable example.	[04]	CO1	U	C
Q3)	a)	Explain first six CODD's rule.	[6]	CO2	R, U	F
	b)	Discuss in detail Integrity Constraints	[5]	CO2	U, AI	P
	c)	What are the features of good database relation design?	[4]	CO2	E	M
		OR				

Q4)	a)	What is Normalization? Explain the different Normal Forms.	[5]	CO2	U	F
	b)	What are the different types of Functional Dependencies?	[5]	CO2	U, Ev	C
	c)	Describe the properties of decomposition.	[5]	CO2	R,U	P

CO1: Ability to implement the underlying concepts of a database system.

CO2: Design and implement a database schema for a given problem-domain using data model.

CL: Cognitive Levels

KL: Knowledge Levels

!!!!!!! BEST LUCK !!!!!!!


[Subject Teacher]


[Domain Head]


DAC


[HOD]



JSPM and TSSM Engineering Institutes
Result Analysis of Semester-I (AY 2022-23) [Nov / Dec 2022 SPPU Exam]
Class : SE (E&TC)

Name of College :TSSM's BSCOER.

Name of Deptt :E&TC.....

Sr. No.	Name of Subject	Name of Faculty	Class & Division	No. of Candidates Appeared	No. of Candidates Passed	Result in %
1	Engineering Mathematics III [TH]	Prof.N.R.Jadhav	SE [A]	70	37	52.85
	Average result of Engineering Mathematics III [TH]		SE	70	37	52.85
2	Electronic Circuits [TH]	Dr.P.N.Shinde	SE [A]	70	36	51.42
	Average result of Electronic Circuits [TH]		SE	70	36	51.42
3	Digital Circuits [TH]	Prof.S.R.Thite	SE [A]	70	43	61.42
	Average result of Digital Circuits [TH]		SE	70	43	61.42
4	Electrical Circuits [TH]	Prof.S.N.Bhore	SE [A]	70	51	72.85
	Average result of Electrical Circuits [TH]		SE	70	51	72.85
5	Data structures [TH]	Prof.P.P.Gaikwad	SE [A]	70	62	88.57
	Average result of Data structures [TH]		SE	70	62	88.57
6	Average result of Electronic Circuit Lab [PR]		TE	70	61	87.14
7	Average result of Digital Circuits Lab [PR]		TE	69	62	89.84
Overall Results Sem - I			Class	Total Candidates Appeared	Total Candidates Passed	All Clear Result in %
All Clear Result of SE [E&TC] of Sem-I			SE [E&TC]	70	27	38.57

Sign of AMC :

Sign of HoD :





राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद
विश्वविद्यालय अनुदान आयोग का स्वायत्त संग्ठन
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
An Autonomous Institution of the University Grants Commission

Certificate of Accreditation

*The Executive Committee of the
National Assessment and Accreditation Council
on the recommendation of the duly appointed
Peer Team is pleased to declare the
ISMS*

*Bhivarabai Sawant College of Engineering and Research
Narhe, Tal. Haveli, Dist. Pune, affiliated to Savitribai Phule Pune University,
Maharashtra as
Accredited*

*with CSQA of 3.08 on four point scale
at A grade
valid up to July 14, 2024*

Date : July 15, 2019



S. C. Chaudhary
Director