



SARASWATI Education Society's
SARASWATI College of Engineering

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Kharghar, Navi Mumbai - 410 210.

Internal Quality Assurance Cell (IQAC)

IQAC MEETING-I

VENUE: IQAC ROOM

DATE: 11/07/2019

Agenda of IQAC Meeting

1. Effective steps to be taken to improve the rank of college
2. To increase no of patent's and research publication in reputed international journals
3. Areas in which students have opportunity.
4. Organization of international conference.
5. Sharing of research findings and networking with other institutions in India and abroad.
6. Development and application of quality benchmark.
7. Strengthening of EN cell
8. International MOU for student exchange internships
9. Activation of study abroad setup
10. Inclusion of additional student clubs

MINUTES OF MEETING, ACTION TAKEN REPORT AND RESOLUTIONS

As per the request of Chairperson, the coordinator placed the agenda items for discussion. Action taken on the minutes of meeting held on 11/07/2019 was discussed in detail. The following members were present:

Principal: Dr. Manjush Deshmukh

Management Member: Mr. Amar Shinde, Registrar

Administrative officers: Mr. Sampat Kakde,

Mr. Devendra Ajagekar

Local Society Nominee: Mangesh S. Ranawade

Student Nominee: Sandhya Gupta

Nominee from industry: Mrs. Archana Randive

Coordinator IQAC: Dr. Sunil M. Rangari

HoD of Computer Engineering: Prof. Deepa Parasar

HoD of I.T.: Prof. Vaishali Jadhav

HoD of Civil Engineering-Shift-I: Prof. Roshani John



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HoD of Automobile Engineering: Prof. T. Z. Qauzi

HoD of EXTC Engineering: Prof. Sheetal Bukkavar

HoD of Mechanical Engineering-Shift-I: Prof. Madhukar Sorte

The meeting commenced with the opening remark of the Principal about Internal Quality Assurance Cell and its functions. After thorough discussion the following resolutions were made.

Sr. No.	Minutes of Meeting	Action Taken
01	Effective steps to be taken to improve the rank of college	<ol style="list-style-type: none">1) Organized NASA SPACE APPS CHALLENGE Project competition on 01 Oct 2019.2) Organized Youth Festival on behalf of University of Mumbai.3) Students Participated in NICE competition.4) Applied for NIRF.5) Conducted free Technical training for students to improve placement.6) Started free training for GATE exam.
02	To increase no of patent's and research publication in reputed international journals	<ol style="list-style-type: none">1) Identified Students projects for patent filling.2) Filled six patents till Nov 2019.
03	Areas in which students have opportunity	Identified areas such as <ol style="list-style-type: none">1) IT industry2) Mechanical Process Equipment Design (MPED)
04	Organization of international conference	Proposed International conference on Industry 4.0 [ICI 4.0] on 27 th March 2020.
05	Sharing of research findings and networking with other institutions in India and abroad.	<ul style="list-style-type: none">• Signed MOU with Rural Federal University, Russia for Project Based Learning• Many other MOU's are in process



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06	Development and application of quality benchmark.	<ul style="list-style-type: none">➤ Improved Placement➤ Improved Results➤ Improved Research and Patent
07	Strengthening of EN cell	Students working on the Projects like 1) Cloth ^{bag} Vending machine 2) Water and Air pollution monitoring system
08	International MOU for student exchange internships	Signed MOU with Canberra University, Australia for higher studies.
09	Activation of study abroad setup	Study Abroad Cell is setup on 25/09/2019.
10	Inclusion of additional student clubs to enhance creative talents	Additional clubs like Music, Dance, Drama, sports, Art & Photography are included.

Chairperson

Dr. Manjusha Deshmukh



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Internal Quality Assurance Cell (IQAC)

IQAC MEETING-II

DATE:03/01/2020

MINUTES OF MEETING

IQAC meeting conducted on 03/01/2020 at 3:00pm. The following members were present:

- 1) Chairperson: Dr. ManjushaDeshmukh, Principal
- 2) Management Member: Mr. Amar Shinde, Registrar
- 3) Administrative officers: Prof. SheetalBukkawar
- 4) Local Society Nominee: Mr. Mangesh S. Ranawade
- 5) Alumni Student Nominee:Mr. RohanPatil
- 6) Student Nominee: Ms. PurvajaPatil, Mr. AnkitPatil
- 7) Nominee from industry: Mr. Shyamsundar N. Karkun
- 8) Coordinator IQAC: Prof. SujataBhairnallykar
- 9) Dean Academics:Dr. Sunil Rangari
- 10) HoD of Civil Engineering-Shift-I: Prof. Roshani John
- 11) HoD of Automobile Engineering: Prof. T. Z. Qauzi
- 12) HoD of Mechanical Engineering-Shift-I: Prof. MadhukarSorte
- 13) HoD of I.T.: Prof. DikshaGautam

The meeting commenced with felicitating guests with bouquet from Principal thereafter IQAC ChairpersonDr. ManjushaDeshmukh, Principal SCOE Started with meeting agenda. The following points were discussed.

- Review of IQAC activities carried out during the odd semester of the academic year 2019-20 was presented.
- Motivate students for selecting project on social welfares
- Students can start internship from Taloja Industries said Mr. Shyamsundar N. Karkun, Hon. Vice President, Taloja Manufacturers' Association, M.I.D.C. Taloja.
- Research coordinators should take initiative for multidisciplinary projects



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- Mr. Mangesh S. Ranawade suggested project problem statements on water supply and woman safety like Recycling of water, water usage control system, Rain water harvesting and 112 red button app etc.
- Alumni Mr. Rohan Patil mentioned that student should have awareness of different software tools in the market for particular language implementation.
- Principal Dr. Manjusha Deshmukh asked all HOD's to conduct Alumni interaction session with students.
- Introducing more Add on courses and hands on experiences
- Start consultancy with Taloja Industries to improve consultancy

The meeting concluded with IQAC coordinator thanking the members for their suggestions and cooperation in implementing the IQAC activities for the institute.

After thorough discussion the following Plan of action were made and respective actions has been taken.

Sr. No	Plan of Action	Action Taken
1	Increase the quantity of Patents.	Total 16 patents filed as well published.
2	Introducing Centre of Excellence.	1) Centre of Excellence in Mechanical Modeling and Computing. 2) Red hat centre of excellence—Under it students have got scholarship to attend internship training and courses 3) Centre of excellence in e-Yantra lab 4) Centre of excellence in Huawei Certification
3	Alumni association registration.	Done
4	Strengthening consultancy policy.	<ul style="list-style-type: none">• Training/Consultancy work at A.C Patil College of engineering, Khrarghar.• Consultancy on Approval of Structural Drawing for sewage



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		<p>treatment plant 0.4 MLD capacity with the organization J.M. Enviro Technologies Pvt. Ltd, Vile Parle, Mumbai and completed on 04/03/2020.</p> <ul style="list-style-type: none">• Consultancy on Material Testing of Tor Steel reinforcement bars with the organization Institute of Engineers, BelapurCBD, Navi Mumbai and on-going till date.
5	Improve Entrepreneurship.	<p>Companies under registration process</p> <ul style="list-style-type: none">• Gym food• Epoxy furniture arts <p>On-going entrepreneurship projects</p> <ul style="list-style-type: none">• Indoor mushroom and vegetable farming• Biodegradable packaging• IoT based aquaponics and hydroponics
6	Strengthening Placement efforts to attract high end organizations.	<p>1) Soft-skill Program for TE and BE class of EXTC, IT and Comp Branches.</p> <p>2) Technical Training on C and Java, Python in AUG and Sept and January and February and march for TE and BE students of all branches.</p> <p>3) Two weeks Aptitude Training for All branches interested students run in 4 batches (From Dec to Feb. 2020.)</p> <p>4) Weekly basis Practice sessions/test series of Aptitude, Technical (MNC Companies practice sessions) , GD and Mock of HR for TE and BE students of all branches.</p> <p>5) Selection , guidance and motivation of technical multidisciplinary project development and motivating participation in ChhatraVishvakarma Awards, Avishkar Project Competition of Mumbai University and India Innovative Challenges Design Contest(IICDC)and NASA Space App Challenges-2019.</p> <p>6. NPTEL Courses on Python and Data Science, Body language key to Professional Success courses of 8 and 4 weeks respectively.</p>



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		<p>7. Course CS101.1x: Programming Basics, Course CS101.2x: Object-Oriented Programming under IIT Bombay Remote Centre for 21 days.</p> <p>8. Two week Internship on PYTHON for Second Year Students in May 2020.</p> <p>9. One week soft skill Training for Second year students in June 2020</p>
7	Introducing more Add on courses and hands on experiences	<p>1) Body Coating Workshop organized on 12th Feb 2020 for TE and BE students</p> <p>2) Python Internship organized from 18th to 30th MAY 2020</p> <p>3) Personality development course organized from 1st to 5th of June</p> <p>4) MPED course (Mechanical Processes Equipment design) Course.</p> <p>5) CATIA Course</p> <p>6) Augmented reality and virtual reality seminar in March 2020,</p> <p>7) Seminar on Machine Learning in February 2020</p> <p>8) Seminar on Microsoft Linux on 3rd February 2020</p> <p>9) Workshop on Arduino for FE, SE and TE students on 8th Feb 2020</p>
8	Fulfilling social responsibilities.	<p>1) Workshop on "Solid Waste Management" conducted for TE and BE Students main Focus of the workshop is Volume reduction and disposal of thermocol waste generated in the society</p> <p>2) Blood donation camp in February 2020</p> <p>3) NSS volunteers organised various rally's to spread awareness about road safety, no honking and responsible driving, betibachaobeti padhao in January 2020.</p> <p>4) Ride For Pride (RFP) event was organised by college On 7th February 2020. The fund raised by this event was donated to the families of the martyr's.</p>
9	Encourage students to select project on minimizing environmental degradation.	<p>BE Students working on following projects for minimization of environmental degradation</p> <ul style="list-style-type: none"> • Sewage Buster, • River Cleaning Ro-Boat, • Machine Learning Approach for plant disease detection



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		<ul style="list-style-type: none">• Removal of fluoride content from ground water using reverse osmosis• Treatment of grey water using Charcoal for residential building• Sludge as a raw material for manufacturing of bricks• Removal of toxic metal from industrial waste by using natural absorbents• Utilization of storm water and sewer water for agricultural land• Purification of Drainage water for farm situated near railway tracks• Geopolymer Concrete based on GGBS & Metakaolin• Modern methods of soil stabilisation for pavement design using cement and flyash• Partial replacement of cement by metakaolin
10	Introducing Incubation Centre.	In process.

Chairperson

Dr. Manjusha Deshmukh