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# AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

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Lr. No. AIETM/IQAC/2019-20/1

# INTERNAL QUALITY ASSURANCE CELL (IQAC)

Dt. 15/06/2019

Proceedings of the Internal Quality Assurance Cell (IQAC) meeting of Avanthi Institute of Engineering & Technology Held on 15/06/2019

The members of IQAC met on 15<sup>th</sup> June 2019 in the Conference Hall to discuss the functioning and activities of the IQAC for the academic year 2019-20.

Members Present:

S.no	Committee	Members
1.	Chairperson: Head of the Institution	Dr. C P V N J MOHAN RAO, PRINCIPAL
2.	A few senior administrative officers (Senior administrators, persons in charge of institutional services such as library, computer center, estate, student welfare, administration, academic tasks, examinations and planning and development)	Dr. T Srinivasa Rao, HOD, Dept. of EEE Dr. P M Manohar, HOD, Dept. of CSE Sri. E Govinda, HOD, Dept. of ECE Sri. V Hari Kiran, HOD, Dept. ME Sri. K V Satyanarayana, HOD, Dept. of H & S Sri. P Anil Kumar, Examinations- Incharge
3.	Three to eight teachers (proposed)	Sri. T P Naidu, Asst. Professor ECE Sri. M Chiranjeevi, Asst. Professor, CSE Prof. M V Ramana Murty, EEE Dr. Ch Suresh, Asst. Professor, ME Dr. Balija Lova, Asst. Professor, Dept. of MBA
4.	One member from the Management	Sri. I Sravan Kumar, Treasurer, Avanthi Educational Society
5.	One/two nominees from local society, Students and Alumni (The local society representatives should be of high social standing and should have made significant contributions to society and in particular to education)	Student: Kotipalli Swamy IV CSE  Alumni: Shweta Dubey SYNTEL
6.		RAVI CHANDRA KOLLURU CENTER HEAD TECH MAHINDRA, Visakhapatnam
7.	One of the senior teachers as the coordinator/Director of the IQAC	Prof. R Prasad Rao, Department of ECE, AIETM



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# The Minutes of the meeting are recorded as follows.

Dr. CPVNJMOHANRAO, PRINCIPAL of the Institute has welcomed the members and given his opening remarks covering objectives and benefits of IQAC and give the following agenda for the meeting.

#### AGENDA:

- 1. Review of minutes of last IQAC Meeting and Action taken report on the decisions of the previous meeting
- 2. To work out the mechanism for ensuring timely, efficient and periodic progressive performance of academic, administrative, research and extension activities on regular basis.
- 3. To strengthen the industry-Institute Interaction through Collaboration, Membership & MoU's
- 4. To See active participation of the students in Department level technical events
- 5. To decide the extra-curricular /co-curricular and extension activities under NSS Unit of the College.

# Agenda 1:

Prof. R Prasad Rao, IQAC Coordinator has given the details of all the activities taken up by IQAC. He has mentioned that,

- Conducted Workshop on choice-based credit system for Non-Teaching Staff 07/06/2019.
- Conducted Literacy awareness programme for Women at pydipala 08/06/2019 by NSS Team.

## Agenda 2:

After a thorough discussion, the decision was taken unanimously to

- Conduct a Workshop on choice-based credit system for Faculty.
- Conduct a Value-added course in Finite Element Modelling for Mechanical Engineering Students.
- Conduct a Value-added course in Acoustics and Fluid Structure interaction in Fluid Dynamics for Mechanical Engineering Students.
- Conduct Contemporary Research awareness on various fields for Faculty.
- Conduct workshop on Writing on Effective Research paper for Faculty.
- Conduct a Program on Course file preparation of the trending courses for Faculty.

#### Agenda 3:

After an in-depth discussion, the decision was adopted unanimously to have an

- MoU With APITA Training and Placements.
- MoU With MECHNOGENT ENGINEERING SERVICES LLP for Placements.
- MoU With APSSDC & CMSCE Training and Placements.
- MoU With 4C DESIGN ENGG 3K PVT LTD for Placements.

#### Agenda 4:

After a detailed debate, the committee has agreed to

- To Plan at least two events in each department to promote skill-based training
- Conduct Counseling and sessions on Technical Skills for IV-year Students

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- Conduct Remedial Coaching
- Conduct Bridge Course for II Year Students
- Conduct training to improve Reasoning Skills of IV Year Students.

To Conduct Graduation Day for awarding the degrees to passedout students by inviting

- 1. Jus. L Nageswara Rao, Supreme court Judge, New Delhi
- 2. Prof. Y Lakshmi Prasad, Chairman, AP Telugu Academy

# Agenda 5:

After a detailed discussion, the committee has resolved to

- Conduct Yoga Sessions for all Students & Faculty.
- Conduct an Induction Meet for the new incumbents during August

N J Mohan Rao

rof. R. Prasad Rao

Coordinator Principal



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Lr. No. AIETM/IQAC/2019-20/2

# INTERNAL QUALITY ASSURANCE CELL (IQAC)

Dt. 19/10/2019

Proceedings of the Internal Quality Assurance Cell (IQAC) meeting of Avanthi Institute of Engineering & Technology Held on 19/10/2019

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The members of IQAC met on  $19^{th}$  October 2019 in the Conference Hall to discuss the functioning and activities of the IQAC for the academic year 2019-20.

#### **Members Present:**

S.no	Committee	Members
1.	Chairperson: Head of the Institution	Dr. C P V N J MOHAN RAO, PRINCIPAL
2.	One of the senior teachers as the coordinator/Director of the IQAC	Prof. R Prasad Rao, Department of ECE, AIETM
3.	One member from the Management	Sri. I Sravan Kumar, Treasurer, Avanthi Educational Society
4.	A few senior administrative officers (senior administrators, persons in charge of institutional services such as library, computer center, estate, student welfare, administration, academic tasks, examinations and planning and development)	Dr. T Srinivasa Rao, HOD, Dept. of EEE Dr. P M Manohar, HOD, Dept. of CSE Sri. E Govinda, HOD, Dept. of ECE Sri. V Hari Kiran, HOD, Dept. ME Sri. K V Satyanarayana, HOD, Dept. of H & S Sri. M V Suryanarayana, HOD, Dept. of MBA Sri. P Anil Kumar, Examinations- Incharge
5.	Three to eight teachers (proposed)	Sri. T P Naidu, Asst. Professor ECE Sri. M Chiranjeevi, Asst. Professor, CSE Prof. M V Ramana Murty, EEE Dr. Ch Suresh, Asst. Professor, ME Sri. P Sombabu, Asst. Professor, H & S Dr. Balija Lova, Asst. Professor, Dept. of MBA
6.	One/two nominees from Employers / Industrialists / stakeholders	SRI. K V S VERMA CHIEF OPERATING OFFICER, HOBEL BELLOWS CO Visakhapatnam
7.	One/two nominees from local society, Students and Alumni (The local society representatives should be of high social standing and should have made significant contributions to society and in particular to education)	Student: Kotipalli Swamy IV CSE Ch Bhanu Tejaswi IV EEE  Alumni: Patnana Ganesh TCS



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# The Minutes of the meeting are recorded as follows.

Dr. CPVNJMOHANRAO, PRINCIPAL of the Institute has welcomed the members and given his opening remarks covering objectives and benefits of IQAC and give the following agenda for the meeting.

#### **AGENDA**

- 1. Review of minutes of last IQAC Meeting and Action taken report on the decisions of the previous meeting
- 2. To strengthen the industry-Institute Interaction through Collaboration, Membership & MoU's
- 3. To Improve the students participation in National Technical Events
- 4. To decide the extension activities under NSS Unit of the College.
- 5. Review of academic performance of students and remedial measures for further improvement

#### Agenda 1:

Prof. R Prasada rao, IQAC Coordinator has given the details of all the activities taken up by IQAC.

- Conducted a Workshop on choice-based credit system for Faculty on 07/07/2019.
- Conducted a Value-added course in Finite Element Modeling for Solid Polymers for Mechanical Engineering Students on 26.08.2019 with participantion of 114 students.
- Conducted a Value-added course in Acoustics and Fluid Structure interaction in Fluid Dynamics Mechanical Engineering Students with 116 students during September 2019.
- Made an MoU With MECHNOGENT ENGINEERING SERVICES LLP for Placements on 10.09.2019.
- Made an MoU With APSSDC & CMSCE Training and Placements on 09.09.2019
- Made an MoU With 4C DESIGN ENGG 3K PVT LTD for Placements on 01.07.2019.
- Organized a workshop on Contemporary Research on various fields for Faculty on 06.10.2019 and 73 Faculty members have participated.
- Organized a workshop on Writing Effective Research paper for Faculty on 13.08.2019.
- Organized a training Program on Course file preparation for the trending courses for Faculty on 13.08.2019.
- Conducted Graduation Day on 03/08/2019.
   Jus. L Nageswara Rao, Supreme court Judge, New Delhi Prof. Y Lakshmi Prasad,
   Chairman, AP Hindi Academy have graced the occasion and awarded degrees to 800 passed outs of Avanthi group of colleges.
- Conducted Anti-Ragging Awareness Programme in the campus on 22.08.2019 with 935 Participants.

# Agenda 2:

After having a review of proposals submitted by the HoDs for the conduct of value added courses jointly with industry, it is decided to

- Conduct a Value-added course in Productivity Enhancement Tools
- Conduct a Value added course in Design & Analysis of Straight out goors



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- Conduct a Value-added course in Hair Pin Heat Exchangers
- Conduct a Value added course in Energy Conservation
- Conduct a Value-added course in Internet of Things
- Conduct a Value-added course in Renewable power and electricity
- Conduct a Value-added course in Productivity Studies
- Conduct a Value-added course in Machine Learning & Soft Computing
- Conduct a Value-added course in Functioning of Blast Furnaces in Steel Plants
- Conduct a Value-added course in Crystallization Process in Sugar Mills
- Conduct a Value-added course in Tuned Amplifiers
- Conduct a Value-added course in Functioning of Biomass fuel boiler and gas oil fuel boiler in Etikoppaka Sugar Mills
- Conduct a Value-added course in Latest technologies in Cloud Computing
- Conduct a Value-added course Latest technologies in Cloud Computing
- Conduct a Value-added course Internet of Things and AI Cloud
- Conduct a Value-added course Introduction battery management system
- Conduct a Value-added course in Maintenance of Ships in HSL

# Agenda 3:

After a detailed debate, the committee has agreed to

To conduct a two day national level technical meet by inviting renowned academicians and industrial experts and to conduct interactive sessions.

It is decided to include young entrepreneurs in the event to motivate the students towards entrepreneurship.

# Agenda 4:

After a detailed discussion, the committee has resolved to

NSS Program Officer has given the progress report of the activities

- Conducted an Awareness programme on Self-Defense for girls organized by NSS on 17.06.2019 with 83 Participants.
- Conducted an Empowerment of women Education in Rural on 21.06.2019 with 89 Participants.
- Conducted a Swatcha Maan, Swatch Bharat and organized a session on mind control, emotion control, practice of yoga on 17.06.2019 with 88 Participants.
- , meditation to get relieved from stress
- Conducted a Plantation program and Planted 100 Trees on 07.07.2019 with 103 Participants.
- Conducted teachers day in the campus...

The following proposals submitted by NSS Unit are accepted for the next session.

- Conduct an ENERGY conservation Awareness program for the students
- Conduct a Road safety Awareness Program for the students.
- Conduct a Voter's awareness Program for the students.
- Conduct a Door-to-Door Survey on the Usage of public Toilets.
- Conduct a Plantation and Clean and Green programs in near by Schools, Temples and



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### Hospitals.

- Conduct a Literacy Awareness program for village people.
- Conduct a Hygiene Awareness Program for House wives of near by village .
- Conduct a Medical camp in a near by village.
- Conduct Blood Donation camp jointly with Rotary Club, Narsipatnam.
- Conduct a Service Activity By girls at ANRAK on the eve of international women's day.

# Agenda 5:

HoDs have presented the course wise and semester wise academic performance of students of respective departments.

Decided to conduct Remedial classes for Backlog subjects.

Decided to conduct prefinal test for the all the classes to gear up the students for semester end examinations.

Prof. R Prasad Rao

Coordinator

Dr. CP V N Mohan Rao

Principal

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# Lr. No. AIETM/IQAC/2019-20/3

# INTERNAL QUALITY ASSURANCE CELL (IQAC)

Dt. 14/3/2020

Proceedings of the Internal Quality Assurance Cell (IQAC) meeting of Avanthi Institute of Engineering & Technology Held on 14/03/2020

The members of IQAC met on 14<sup>th</sup> March 2020 in the Conference Hall to discuss the functioning and activities of the IQAC for the academic year 2019-20.

#### **Members Present:**

S.no	Committee	Members
1.	Chairperson: Head of the Institution	Dr. C P V N J MOIIAN RAO, PRINCIPAL
2.	One of the senior teachers as the coordinator/Director of the IQAC	Prof. R Prasad Rao, Department of ECE, AIETM
3.	One member from the Management	Sri. I Sravan Kumar, Treasurer, Avanthi Educational Society
4.	A few senior administrative officers (senior administrators, persons in charge of institutional services such as library, computer center, estate, student welfare, administration, academic tasks, examinations and planning and development)	Dr. T Srinivasa Rao, HOD, Dept. of EEE Dr. P M Manohar, HOD, Dept. of CSE Sri. E Govinda, HOD, Dept. of ECE Sri. V Hari Kiran, HOD, Dept. ME Sri. K V Satyanarayana, HOD, Dept. of H & S Sri. M V Suryanarayana, HOD, Dept. of MBA
5.	Three to eight teachers (proposed)	Sri. P Anil Kumar, Examinations- Incharge Sri. T P Naidu, Asst. Professor ECE Sri. M Chiranjeevi, Asst. Professor, CSE Prof. M V Ramana Murty, EEE Dr. Ch Suresh, Asst. Professor, ME Sri. P Sombabu, Asst. Professor, H & S Dr. Balija Lova, Asst. Professor, Dept. of MBA
6.	One/two nominees from Employers / Industrialists / stakeholders	
7.	One/two nominees from local society, Students and Alumni (The local society representatives should be of high social standing and should have made significant contributions to society and in particular to education)	Student: Kotipalli Swamy IV CSE Ch Bhanu Tejaswi IV EEE



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#### **AGENDA**

- 1. Review of minutes of last IQAC Meeting and Action taken report on the decisions of the previous meeting
- 2. To chalk out the procedure for ensuring timely, efficient and periodic progressive performance of academic, administrative, research and extension activities on regular basis.
- 3. To take up Academic Audit on all academic and administrative procedures to ensure quality and expected outcome
- 4. To strengthen the industry-Institute Interaction through Collaboration, Membership & MoU's
- 5. To Encourage students to take up Projects with commercial importance with Institutional funding
- 6. To decide the extension activities under NSS Unit of the College.

#### Agenda 1:

Prof. R Prasada Rao, IQAC Coordinator has given the details of all the activities taken up by IQAC.

- Conducted a Value-added course Energy Conservation with 362 Participants from 30.12.2019
- Conducted a Value-added course Internet of Thing with 114 Participants from 28.12.2019
- Conducted a Value-added course in Renewable power and electricity with 118 Participants from 28.02.2019
- Conducted a Value-added course in Productivity enhancement tools with 113 Participants from 14.02.2020
- Conducted a Value-added course in Machine Learning & Soft Computing with 137 Participants from 14.02.2020
- Conducted a Value-added course in Functioning of Blast Furnaces in Steel Plants with 83 Participants from 14.02.2020.
- Conducted a Value-added course in Crystallization Process in Sugar Mills with 116 Participants from 14.02.2020.
- Conducted a Value-added course in Tuned Amplifiers with 57 Participants from 09.03.2020.
- Conducted a Value-added course in Functioning of Biomass fuel boiler and gas oil fuel boiler in Etikoppaka Sugar Mills held with 52 Participants from 09.03.2020.
- Conducted a Value-added course Latest technologies in Cloud Computing with 114 Participants from 08.02.2020.
- Conducted a Value-added Internet of Things and AI Cloud with 46 Participants from 06.01.2020.
- Conducted a Value added course Introduction battery management system with 48 Participants from 03.01,2020.
- Conducted a Value-added course in Maintenance of Ships in HSL with 145



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Participants from 01.02.2020.

- Organized One Day program on "Interaction with parents, students, personality Development." for Non-Teaching Staff on 21.10.2020.
- Organized One Day program on "Technical works handling, computer knowledge, MS-Office", for Non-Teaching Staff on 03.07.2020.
- International Women's Day celebrations in a grandeur on 8/3/2020 with all the girl students and female faculty of the campus.

# Agenda 2:

The procedures and mechanisms being followed for various academic and administrative aspects have been discussed in detail to identify the shortfalls

Suggestions have been made to improve quality of teaching and to offer better services to the stakeholders.

# Agenda 3:

IQAC coordinator has presented the details of academic audit report and follow action taken during the academic year 2019-20. After elaborate discussion, the committee has resolved to

- Establish a committee of faculty members from all faculties to conduct academic audit
- The Academic Audit Committee shall visit all faculties, review all academic and administrative procedures followed in the departments and submit a detailed report within 15 days.
- IQAC should review the report submitted by the committee and develop procedures to strengthen the system.

The IQAC should report on the action taken by the next IQAC meeting

# Agenda 4:

HoDs have presented the number of Industrial visits organized for the students during 2019-'20

INDUSTRIAL VISIT(Hindustan Shipyard Limited Visakhapatnam)	III MECHANICAL B.Tech Students	1/2/2020
INDUSTRIAL VISIT(Synergies Casting Limited Visakhapatnam)	IV MECHANICAL B.Tech Students	5/1/2020
INDUSTRIAL VISIT(Hindustan Shipyard Limited & Steel Plant Museum Visakhapatnam)	I,II MBA Students	28/12/2019
INDUSTRIAL VISIT(Visakhapatnam Steel Plant)	II MECHANICAL B.Tech Students	8/2/2020
INDUSTRIAL VISIT(The Chodavaram Co Operative Sugar Ltd)	II MECHANICAL B.Tech Students	11/3/2020
INDUSTRIAL VISIT(All India Radio AM Transmitting Station Aganampudi, Visakhapatnam)	II ECE B.Tech Students	6/1/2020



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INDUSTRIAL VISIT(Hinduja National Power Corporation Ltd)	III EEE B.Tech Students	3/1/2020
INDUSTRIAL VISIT(Hinduja National Power Corporation Ltd)	II EEE B.Tech Students	3/1/2020
INDUSTRIAL VISIT(132/33 KV Substation Narasingabelli Visakhapatnam)	II EEE B.Tech Students	23/12/2019
INDUSTRIAL VISIT(Miracle Software Solutions Visakhapatnam)	II,III CSE B.Tech Students	7/2/2020
INDUSTRIAL VISIT(Symbiosis Technologies Visakhapatnam)	III CSE B.Tech Students	3/1/2020
INDUSTRIAL VISIT(Inspire Edge IT Solutions Visakhapatnam)	III CSE B.Tech Students	7/2/2020

All in all, 12 industrial visits have been taken up during the session. IQAC has expressed satisfaction over the issue and suggested HoDs to

- 1. To obtain feedback from the students on industrial visit's
- 2. To assign the students to submit report on the industrial visit.

# Agenda 5:

The importance of Project work and selection of topic for the implementation of project work is discussed in detail. The hurdles and limitations one could come across are also presented by the HoDs. After a thorough discussion, the decision was taken unanimously to

- 1. To assign project topics of contemporary technologies
- 2. To assign innovative topics
- 3. To obtain estimates for the hardware procurement for implementing projects with commercial importance
- 4. To select and recommend two projects from each department for financial sponsorship by the institute
- 5. To allocate not more than Rs. 20000/- for each project from the institutional funds for promoting better quality.

# Agenda 6:

The following activities were taken up by College NSS unit.

- Conducted ENERGY conservation Awareness on 18.11.2019.
- Conducted Road safety Awareness Programme on 18.12.2019.
- Conducted Voter's awareness Programme on 21.1.2020.
- Conducted ENERGY conservation Awareness Programme on 15-02-2020.
- Conducted Door-to-Door Survey Usage of public Toilets and Child Literacy on 18.2.2020.
- Conductedt Plantation Clean and Green Schools, Temples and Hospitals on 28.2.2020
- Conducted Literacy Awareness for village people on 29.2.2020.
- Conducted Hygiene Awareness Program on 1.3.2020.
- Conducted a Medical camp on 5.3.2020.



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- Conducted a Blood Donation camp on 5.3.2020.
- Conducted a Service Activity (2k run) By girls at ANRAK on the eve of international women's day8.3.20.

After a detailed debate, the committee has agreed to

- Organized A One Day programme on "Interaction with parents, students, personality Development." for Non-Teaching Staff 21.10.2020.
- OrganizeA One Day programme on "Technical works handling,computer knowledge,MS-Office",A One-day Program for Non-Teaching Staff.
- Organized International Womens Day celebrations in a grandeur on 8/3/2020 with all the girl students and female faculty of the campus.

After a detailed debate, the committee has suggested NSS to

- Organise National Yoga Day on 21/06/2020
- To chalk out extension programs for 2020-21

Prof, R Prasad Rao

Coordinator

Dr. C P V N J Mohan Rao

Principal