



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved By AICTE, Permanently Affiliated to JNT University, Kakinada,
NBA accredited & Recognized Under 2(f) and 12 (b) by UGC, New Delhi)
Tamaram, Makavarapalem, Narsipatnam(R D), Visakhapatnam Dist-531113

Lr. No. AIEIM/IQAC/2017-18/1

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Dt. 25/06/2017

Proceedings of the Internal Quality Assurance Cell (IQAC) meeting of Avanathi Institute of Engineering & Technology Held on 25/06/2017

On 25 June 2017, IQAC members of AIETM discussed IQAC activities for the 2017-'18 academic year in the Conference hall and taken up the following agenda..

Members Present:

Committee	Members
Chairperson: Head of the Institution	Dr. C P V N J MOHAN RAO, PRINCIPAL
Administrative Heads	Dr. T Srinivasa Rao, HOD, Dept. of EEE Dr. G Satya Narayana, HOD, Dept. of CSE Sri. E Govinda, HOD, Dept. of ECE Sri. V Hari Kiran, HOD, Dept. ME Sri. J Konda Babu, HOD, Dept. of H & S Sri. V Sai Prashanth, HOD, Dept. of MBA Sri. P Anil Kumar, Examinations- Incharge
Faculty Members	Dr. Ch. Srinivasu, Dept. of ECE Sri. P Raja Sekhar, Asst. Professor, CSE Sri. S Sujatha Devi, Asst. Professor, EEE Sri. B Ramesh, Asst. Professor, ME Dr. M A Rahmatullah, Asst. Professor, H & S Sri. S Srinivas, Asst. Professor, Dept. of MBA
Management representative	Dr. M Priyanka , General Secretary Avanathi Educational Society
Students and Alumni	<u>Student:</u> D Pavan Kumar IV EEE B Pavani IV CSE Ganesh Machavarapu SOC Design Engineer @ Intel Pvt LTd, Bangalore, Karnataka
Representation from Industry	Sri. K V S Verma, COO Hobell Bellows Visakhapatnam
IQAC coordinator	Prof. R Prasad Rao



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The Minutes of the meeting are recorded as follows.

Dr C P V N J MOHAN RAO, Principal welcomed the members and delivered his opening remarks and presented the following agenda for the meeting.

AGENDA

1. to review the minutes of the last IQAC meeting and report on the follow-up to the decisions taken at the previous meeting
2. developing mechanisms to ensure timely, effective and regular progressive execution of academic, administrative, research and extension activities
3. strengthening the interaction between industry and the Institute through collaborations, linkage and MoUs
4. actively involving students in improving their employability skills
5. identifying extension activities through our NSS unit.
6. review the academic results of all programs

Agenda 1:

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

- Conducted a value added program on DOTNET for CSE students on 15/03/2017
 - Organized a value added program on Cloud Computing for CSE students on 18/04/2017
 - Organized a value added program on Remote sensing applications for ECE students on 24/03/2017
 - Extended the MoUs with Brandix, Miracle Software Solutions, Inspiredge IT solutions, Suryavardhan Integrations, Nicco Ventures for the academic year 2017-'18 for extending support in terms of industrial visits, training, internships and placements.
 - MoU with Hobell Bellows for providing internships and placements to Mechanical Engineering students is executed.
 - MoU with Emmanuel General Hospital, Kondala Agraharam to provide medical facilities for Students and staff of the institute is made.
 - Presented that, three projects with commercial importance have been carried out with Institutional funding during 2016-17.
 - Design and fabrication of staircase climbing trolley
 - Building Smart Cities-Automatic gas booking over IOT
 - Arduino based object detection using RADAR
- All the above three projects were funded with Rs. 25,000/- and are carried out in AVANTHI INCUBATION CENTRE.
- Organised National Yoga Day on 21/06/2017
 - Academic Audit report submitted by the academic audit committee and action taken report initiated by the IQAC are presented.



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Agenda 2

After a thorough discussion, the decision was taken unanimously to

- To conduct a skill development program to ECE students on Micro Electronics
- To conduct a skill development program on Advanced Fabrication processes
- To conduct a Special training program on Computer Integrated Manufacturing for Mechanical Students
- To conduct an advanced training on Industrial electronics for ECE students
- To conduct training on Project Management and Software working environment for CSE students
- To Conduct a training program on ARM processor and RTOS for EEE students
- To plan for the 10 days orientation and induction meet for the newly admitted students soon after admissions during September
- To conduct Graduation day to award degrees to the passed out students during September

Agenda 3:

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

- Expressed satisfaction over the MoUs and advised the head of the departments to encourage the students to avail the facilities offered through MoUs
- Suggested Head of the Departments to conduct industrial visits

Agenda 4:

After a detailed debate , the committee has agreed to

- conduct Motivational sessions by reputed Counsellors
- organize special classes for improving Communication skills
- Arrange special classes for enhancing Aptitude, Reasoning
- improve hit ratio in Campus Placements by providing extensive training

Agenda 5:

After a detailed discussion, the committee has resolved to

- To organize a program for female students on self defense techniques
- To encourage students to actively participate in Janmabhumi and Swatch Bharat programs
- To conduct program to curb gender discrimination
- To encourage youngsters to register for vote through Voter Registration
- To organize a blood donation camp and motivated the students for their active participation.





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Agenda 6:

- The Head of the Departments presented the academic results of all courses/ years/programs offered in their respective departments. After reviewing the details, the committee made the following decisions.
 - o 80% of the results across all academic programmes
 - o Implement remedial teaching for weak students after the Mid-1 exam.


Prof. R Prasad Rao
Coordinator


Dr. C P V N J Mohan Rao
Principal
Avanathi Institute of Engg. & Technology
Tamaram, Makavarapalem Md.,
Visakhapatnam District., Pin: 531113



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Lr. No. AIETM/IQAC/2017-18/2

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Dt. 29/10/2017

Proceedings of the Internal Quality Assurance Cell (IQAC) meeting of Avanthi Institute of Engineering & Technology Held on 29/10/2017

On 29 October 2017, IQAC members of AIETM discussed IQAC activities for the 2017-'18 academic year in the Conference hall and taken up the following agenda

Members Present:

Committee	Members
Chairperson: Head of the Institution	Dr. C P V N J MOHAN RAO, PRINCIPAL
Administrative Heads	Dr. T Srinivasa Rao, HOD, Dept. of EEE Dr. G Satya Narayana, HOD, Dept. of CSE Sri. E Govinda, HOD, Dept. of ECE Sri. V Hari Kiran, HOD, Dept. ME Sri. J Konda Babu, HOD, Dept. of H & S Sri. V Sai Prashanth, HOD, Dept. of MBA Sri. P Anil Kumar, Examinations- Incharge
Faculty Members	Dr. Ch. Srinivasu, Dept. of ECE Sri. P Raja Sekhar, Asst. Professor, CSE Sri. S Sujatha Devi, Asst. Professor, EEE Sri. B Ramesh, Asst. Professor, ME Dr. M A Rahmatullah, Asst. Professor, H & S Sri. S Srinivas, Asst. Professor, Dept. of MBA
Students and Alumni	<u>Student:</u> D Pavan Kumar IV EEE B Pavani IV CSE Sai Charan Kuppili Technical Director- South Asia Jinko Solar Co. Ltd.,
Representation from Industry	Ravi Eswarapu CEO, SCHEMAX, Visakhapatnam
IQAC coordinator	Prof. R Prasad Rao

The Minutes of the meeting are recorded as follows.

Dr C P V N J MOHAN RAO, Principal welcomed the members and delivered his opening remarks and presented the following agenda for the meeting.

AGENDA

1. to review the minutes of the last IQAC meeting and report on the follow-up to the decisions taken at the previous meeting



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2. developing mechanisms to ensure timely, effective and regular progressive execution of academic, administrative, research and extension activities
3. actively involving students in improving their employability skills
4. identifying extension activities through our NSS unit.
5. To review the admissions scenario for various programs of the institute during 2017-'18
6. Review of the mentoring system and student training activities

Agenda 1:

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

Conducted the following value added programs

- Micro Electro Mechanical Systems (MEMS) with 106 participants on 6/7/2017
- Fabrication process of ships in HSI with 118 participants on 29/7/2017
- Computer integrated manufacturing with 108 participants on 5/8/2017
- Operation of dynamometers with 112 participants on 9/9/2017
- Industrial electrification design, protection and safety with 57 participants on 9/9/2017
- ARM processor and RTOS with 96 participants on 14/9/2017
- Software working environment and latest technologies with 83 participants on 20/9/2017
- Motivational session to improve seriousness with 147 participants on 2/8/2017
- A guidance program on Career path after engineering education with 184 participants on 9/8/2017
- Conducted Induction meet on 26th September 2017 with a panel of guests viz.,
 - Ms. G Srijana IAS, Joint Collector, Visakhapatnam
 - Sri. Rahul Dev Sharma IPS, Superintendent of Police, Visakhapatnam
 - Prof. P S Avadhani, Principal, AU College of Engineering, Andhra University, Visakhapatnamto motivate and orient the newly joined students.
- Conducted a professional development program on Best practices in Office automation for non teaching staff on 14/7/2017
- Conducted a self defense workshop for girls jointly with Martial Arts academy on 18/8/2017
- Conducted Janmabhumi program jointly with Andhra University and Visakhapatnam Steel plant
- Conducted a session on reducing gender discrimination adopting technology on 23/7/2017
- Conducted Voter registration awareness camp jointly with MRO, Makavarapalem on 1/8/2017
- Conducted Swatcha Bharat at ZPH school, Makavarapalem and Public Health Centre, Makavarapalem on 9/8/2017 and cleaned the premises
- Conducted Blood donation camp jointly with Amma blood bank at Govt. Hospital, Narsipatnam where in 145 units of blood was donated
- Conducted Graduation day on 8/9/2017 with a galaxy of invitees viz.,
 - Prof. G. Nageswara Rao, Vice Chancellor, Andhra University, Visakhapatnam
 - Prof. V Keshava Rao, Vice Chancellor, DS National Law University, VisakhapatnamAnd awarded degrees to all the passed outs of 2016-'17.



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Agenda 2:

After a thorough discussion, the decision was taken unanimously to

- Conduct workshops on advanced areas to all branches of engineering
- Conduct a two day National technical meet in the college by inviting renowned academicians and reputed industrial experts and to conduct interactive sessions

Agenda 3:

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

- Conduct Employability skills enhancement programs
- Conduct special training to promote communication skills
- Conduct special training to enhance technical skills to face campus interviews.

Agenda 4:

After a detailed discussion, the committee has resolved to

- Conduct a program on gender equity
- Conduct a program on Avoiding Plastic usage
- To conduct Semi pongal as a symbol of culture
- To conduct womens day
- To conduct National voters day
- To conduct programs on domestic violence and challenges in Women in work place

Agenda 5:


The Admissions Committee Coordinator presented the details of admission for the academic year of the BTech, MTech and MBA programs.

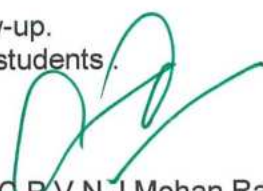
The Committee decided

- To increase the number of students admitted in terms of quality and quantity
- To hold career counseling sessions in various neighboring cities to make the prospective students aware of the programs.

Agenda 6:

- A detailed analysis of the institute's mentoring and counseling system is made. Problems that arise during counseling sessions are well addressed. Non serious students and steps to be taken in such cases were also discussed.
- The committee decided
 - To achieve better results, the 1:15 ratio between mentor and mentee should be continued
 - Keep detailed records of counseling sessions for follow-up.
 - Provide yoga and meditation sessions for non serious students.


Prof. R. Prasad Rao
Coordinator


Dr. C.P.V.N.J. Mohan Rao
Principal
Avanthi Institute of Engg. & Technology
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Lr. No. AIETM/IQAC/2017-18/3

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Dt. 17/3/2018

Proceedings of the Internal Quality Assurance Cell (IQAC) meeting of Avanthi Institute of Engineering & Technology Held on 17/03/2018

On 17 March 2018, IQAC members of AIETM discussed IQAC activities for the 2017-'18 academic year in the Conference hall and taken up the following agenda

Members Present:

Committee	Members
Chairperson: Head of the Institution	Dr. C P V N J MOHAN RAO, PRINCIPAL
Administrative Heads	Dr. T Srinivasa Rao, HOD, Dept. of EEE Sri. E Govinda, HOD, Dept. of ECE Sri. V Hari Kiran, HOD, Dept. ME Sri. J Konda Babu, HOD, Dept. of H & S Sri. V Sai Prashanth, HOD, Dept. of MBA Sri. P Anil Kumar, Examinations- Incharge
Faculty Members	Sri. P Raja Sekhar, Asst. Professor, CSE Sri. S Sujatha Devi, Asst. Professor, EEE Sri. B Ramesh, Asst. Professor, ME Dr. M A Rahmatullah, Asst. Professor, H & S Sri. S Srinivas, Asst. Professor, Dept. of MBA
Management representative	Sri. I Sravan Kumar, Treasurer, Avanthi Educational Society
Students and Alumni	<u>Student:</u> D Pavan Kumar IV EEE B Pavani IV CSE
IQAC coordinator	Prof. R Prasad Rao

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AGENDA

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2. developing mechanisms to ensure timely, effective and regular progressive execution of



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academic, administrative, research and extension activities

3. strengthening the interaction between industry and the Institute through collaborations, linkage and MoUs
4. actively involving students in improving their employability skills
5. identifying extension activities through our NSS unit.
6. To take up Academic audit of all academic and administrative processes to ensure quality and expected outcomes.
7. Overview of faculty-attended faculty development programmes

Agenda 1:

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

- A value added course on Computational Fluid Dynamics was taken place on 9/9/2017
- A value added course on Modern solar and wind energy power took place on 12/10/2017
- A value added course on Nano material usage and real time applications took place on 14/10/2017
- A value added course on Functional programming languages took place on 16/10/2017
- A value added course on Testing web based systems took place on 17/10/2017
- A value added course on OFDM implementation through VLSI took place on 23/11/2017
- A value added course on optimizing spark for heterogeneous clusters took place on 13/12/2017
- value added courses on testing and commissioning, wireless sensor networks, applications of microwaves, impact of transient on power systems, Project orientation and agile methodologies, project management strategies, functioning of feeders, Energy conservation-PCRI, Working principles of Transformers and circuit breakers, Functioning of Boilers, flash evaporator, crystallization process took place during the session with good number of participants
- A value added course on took place on
- An industry interaction is organized with 285 participants on 6/12/2017
- A two day national level technical meet YUKTI-2K17 during 13th and 14th December, 2017 with a galaxy of distinguished guests viz.,
 - Sri M T Krishna Babu IAS, Chairman, Visakhapatnam Port Trust
 - Sri Nav Kumar Sinha, General Manager , NTPC ---SIMHADRI---Visakhapatnam
 - Dr. OR Nanda Gopal, Director, NSTL, Visakhapatnam
 - Prof. D Janakiram, Department of Computer Sci. & Engg, IIT, Chennai
 - Dr. Ravi Kumar B, Department of EEE, IIT, Hyderabad
 - Dr. Raja Benerjee, Department of Mechanical Engg, IIT, Hyderabad
 - Prof. V Uma Maheswara Rao, Registrar, Andhra University, Visakhapatnam
 - Prof. N V S Narasimha Sarma, Department of ECE, NIT, Warangal
 - Dr. Abraham Varghese, Scientist – G, Director- Projects, NSTL, Visakhapatnam
 - Sri P Sai Kumar, Scientific Officer – G, BARC, Visakhapatnam
 - Sri. P Vijaya Rama Raju, Head Delivery Manager, Tech Mahindra
 - Sri. K Sanjeeva Kumar, AGM(ERP), Visakhapatnam Steel Plant
- Guest lectures, Interactive sessions, technical exhibition are conducted and 3200 students from various college have participated in the event.

He has presented the extension activities carried out by the institute and mentioned that



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- Organized Yuva Mahostav jointly with Department of youth affairs, Govt of AP on 29/12/2017 on the eve of Swarni Vivekananda Birthday celebrations
- Conducted an Awareness program on Gender equity in Education on 15/2/2018
- Conducted a program on Challenges of Women in Work place on 2/2/2018
- Conducted a program on Curbing Domestic violence on 2/1/2018
- Participation of students in 5K run
- Organized Energy conservation awareness at Tamaram on 8/1/2018
- Conduct of Pre Pongal in the campus to promote our culture on 11/1/2018
- Conducted national voters day on 25/1/2018
- Conducted Republic day celebration in a grandeur on 26/1/2017
- Organized womens day celebrations on 8/3/2017

Agenda 2:

- Reviewed the functioning and effectiveness of various supporting committees and after an in-depth discussion, the decision was adopted unanimously to change the periodicity of meetings of various committees.

Agenda 3:

- Head of the departments have presented the details of industrial visits under taken during the session. Expressed satisfaction over the same the committee has agreed to increase the number of visits and to cover atleast one visit in every semester.

Agenda 4:

- Training and Placement Officer has presented the training and placement details. Mentioned that, a 200 hrs, specially designed program covering Aptitude skills, reasoning skills, verbal skills is delivered to final year students by Nicco Ventures, Hyderabad.
- A Motivational session for career planning and higher education was delivered by a senior academician Prof. V Uma Maheswara Rao, Registrar, Andhra university on 12/15/2017

After a detailed discussion, the committee has resolved to

- Conduct few more sessions in Communication skills and soft skills by experts for the students by keeping in view their rural background.

Agenda 5:

- NSS Program Officer has elaborated the details extension activities carried out during the session. After a thorough discussion, the decision was taken unanimously to
 - To enhance the outreach and extension programs.
 - To apply to JNTUK for the sanction of second unit of NSS for the institute



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Agenda 6:

IQAC coordinator has presented the details of academic audit report and follow action taken during the academic year 2016-17. 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 faculties 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 7:

- The Head of the Departments presented details of the faculty development programmes in which their members had participated for professional development purposes. The strategy paper on the provision of incentives to FDP participants was discussed in detail. The Committee decided to
 - Encourage faculty to participate in at least two programs each semester.
 - Participate in more programs during semester breaks without limiting teaching.
 - Encourage faculty to participate in 15 days programs offered by NITTR
 - Encourage faculty to attend MOOCS courses offered by NPTEL to enhance their subject know-how and teaching abilities

R. Prasad Rao
Prof. R Prasad Rao
Coordinator

Dr. C P V N J Mohan Rao
Principal

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