Alva's Institute of Engineering & Technology

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INTERNAL QUALITY ASSURANCE CELL (IQAC)

Ref. No. AIET/IQAC/2017-18/12

22 May 2018

CIRCULAR

Internal Quality Assurance Cell (IQAC) meeting is scheduled on 11 Jun 2018 at 10:30 am. The venue will be Board Room of AIET campus. It is requested for all the IQAC members to attend the same.

Agenda:

i. Review/confirmation of the minutes of meeting/resolutions of previous meeting.

ii. Presentation of odd semester results academic year 2017-18 to IQAC

iii. Discussion of IA performance for the even semester of 2017-18

iv. Presentation of overall performance of the institution academic year 2017-18

v. Approval of departmental activities to be conducted for the academic year 2018-19 along with the budget.

vi. Any other discussion with the permission of the chair

IQAC Coordinator
Co-ordinator
IQAC
AIET, Mijar

PRINCIPAL
Chairman
IQAC
AIET, Mijar

Copy to:

1. Members of IQAC
2. Principal Office
3. IQAC File

Ref. No. AIET/IQAC/2017-18/13

11 Jun 2018

MINUTES OF IQAC MEETING

Chairman	Dr. Peter Fernandes		
Coordinator	Prof. Praveen J		
	Name	**Department**	**Signature**
Members	Dr. Basavaraju B	Dean Academics (I-Year)	
	Prof. Ajith Hebbar	HOD, Civil	
	Prof. Manjunath Kotari	HOD, CSE	
	Dr. D V Manjunatha	HOD, ECE	
	Prof. Jayanth Kumar Rathod	HOD, ISE	
	Dr. Harishanand K S	HOD, ME	
	Prof. Ramakrishna Chadaga	HOD, MBA	
	Dr. Ravi Kumar C	HOD, Chemistry	
	Dr. Ramaprasad A T	HOD, Physics	
	Mrs. Prameela S Konde	HOD, Maths	
	Mr. Preetham Shetty KV	Librarian	
	Mr. Nithin	Physical Director (PD)	Nithin
Administrative/ Technical Staff	Mr. Rakesh Shetty	Administrative Officer	
	Mr. Shantharam Kamath	Finance Officer	
	Mrs. Sowmya Jain	Office Superintendent	Sowmya
Students:	Aishwarya Saraswathi H M	Final Year CSE	
	Keerthi Vadeyar	Final year ECE	
Management Representative:	Mr. Vivek Alva	Correspondent	
Alumni:	Mr. Prajwal Hosmat	Dept. of ME	
	Shetty Satyajeeth Padmanabh	MBA	
Community Representative Stakeholder:	Mr. Sudhakara poonja	Nagarika Hitharakshana Vedike- member	
Employers / Industrialist:	Mr. Munawar Noorani	Vice President Quinnox, Mumbai	–
Other External Experts:	Dr. KE Prakash	Director of Sridevi Institute of Technology, Mangalore	–

Agenda 1 :- Review / confirmation of the minutes of meeting / resolutions of previous meeting.

Sl No	Recommendation given by IQAC committee	Action taken for Implementation & outcomes
1.	The IQAC had a discussion on reframed vision & mission of the institute and suggested to get approval from GC	The Institute's finalised Vision & Mission was approved by GC on 10 Apr 2018, and this is circulated to all the stake holders.
2.	The IQAC suggested for all the dept heads to revise the vision & mission, PEOs & PSOs statement of departments in line with the institute vision & mission upon approved by GC	The department of CVE had redrafted vision, Mission, PSOs & PEOs of department and the same is approved by GC.

Agenda 2 :- Discussion on matters related to management, infrastructure, Academics, SDPs / FDPs, R & D, industry institute Interaction, Mandatory clubs, Social Outreach programs of 2017 - 18 even semester.

A. Management :-

1. It was decided to upload data for NIRF Shess was given upon starving hard for obtaining a NIRF ranking.

2. The heads of various departments have

presented the revised vision & mission statement to IQAC.

3. Two days training program was conducted on NBA criteria & OBE for the faculty members on 24 Mar & 25 Mar 2019 by Dr U. P. Kulkarni, CSE, SDMCET, Dharwad. He addressed on OBE philosophy, curriculum design, TLP, mapping and attainment of CO-PO, SAR criteria etc. and set the road map for future activity.

4. The IQAC suggested to conduct the training program for the faculties on NBA in this academic year also.

5. The IQAC proposed the following selected staff for recruitment for academic year 2018 - 19 :-

Sl. No	Name	Department	Designation
1.	Mr. Sreekanth M P	Mechanical	Asst. Professor
2.	Mr. Abhijith S		Asst. Professor
3.	Mr - Sudheer P N		Asst. Professor
4.	Prasanna Kumar B. K	E & C	Asso. Professor ~~Asst. Professor~~
5.	Ms. Nishma		Asst. Professor
6.	Mrs. Bhagavi K V		Asst. professor
7.	Ms. Vanyashree	ISE	Asst. Professor
8.	Mr. Srikanth H	Civil	Asst. Professor
9.	Sandeepkumar DS		Asst. Professor

6. The IQAC proposed the promotion of following faculty based on eligibility of appraisal report.

Sl.	Name of the faculty	Dept	old	Promoted as
1	Mr. Chanchal Antony	CSE	Asst professor	Sr Asst. Professor

8 B. Infrastructure

Total of 04 computers were purchased in the previous year.

C. Academics.

1. Presentation of odd semester results academic year 2017-18 to IQAC.

First year :- Chemistry cycle : 78.32, Physics cycle : 78.40.

Department		3rd sem	5th sem	7th sem
CSE		75.28 %	79.5 %	92.5 %
ISE		51.72	79.31	97.14
CV		51.63	92.38	84.48
ECE		63.04 %	89.89 %	89.4 %
ME		45.97 %	63.97 %	92.42 %
MBA	I SEM	82	III SEM	91

2. The HODs of various departments had presented the list of students having shortage of attendance to appear for VTU exam May / Jun 2018.

3. Discussion of IA performance for the even semester of 2017-18.

IA Result Analysis of CSE | ISE Dept :-

It is observed that - In the subject microprocessors, DC of 4th semester, suprisingly CGV lab & CNSC of 6th sem and CGC of 7th sem, majority of the students are found to be performing in an average level.

Explanation :- Microprocessor deals with the assembly level programming and students found to have difficulty in switching from C to MP. DC deals with communication aspects. Numerical is more in this subject.

This is a new scheme subject where in lot of new set of programs are introduced. CGS again deals with cloud storage. visualization / practical demonstration is required for this subject.

Extra classes and remedial classes can be put. Organize / conduct webinars / workshops in subjects like cloud and the like.

IA Result Analysis of Mechanical engineering Department.

It is observed that - in automotive engineering and power plant engineering of 8th semester in which majority of student performance is average

Explanation :- student is irregular and not focussed on the subjects.

Suggestion :- It is suggested to impose the monitor system for the students.

IA Result Analysis of Electronics and Communication engineering Dept.

It is observed that - ia results of 6th semester are found to be satisfactory. Where as control systems and microcontroller of 4th semester and wireless communication of 8th semester are found to be average performance.

Explanation : Control systems of 4th semester deals with complex mathematics Micro-controller of 4th semester deals with bit level architecture and programming where students find it difficult to understand. The wireless communication of 8th semester discuss on concepts with huge portion, so students find difficult to memorize.

Suggestions :- It was suggested to take help from mathematics department to conduct classes on complex mathematics for control system subject of 4th semester. For micro controller, it was suggested to conduct extra class and also suggested to make digital system fundamentals strong. For wireless communication of 8th semester, it was suggested to provide real time examples and conduct extra classes.

IA Result Analysis of civil engineering Department.

It is observed that the students performed average in 4th semester structural analysis subject, DDRC and TE in 6th semester and in 8th semester, act and DDSS.

Explanation :- The students are very weak in understanding the mathematics and the application of the same in all these design and complex subjects. Some of the structure related subjects need the logic as the software is to be executed.

Suggestions :- The coaching classes can be conducted for the design, structure related subjects along with the mathematics. Hands on training is required for the understanding of steel structures and designs. Software training skills are to be developed.

4. Value added Labs :-

A. Mems Lab :-

Two papers were published in the journals through MEMS Lab.

* Design of Electro Sensor using MEMS used for purifying Liquid.

* Review Paper on Designing and Simulation of MEMS based Electric sensor.
b: Envision Lab :.
* Three proprietary products being devel. by Oscki Labs for Alva's education Found. viz, Water Level Indicator, Automated Pow. Lights, GPS tracker.

5 Activities done for slow learners and Advanced Learners :.

The Institute groups the students into advan. learners and slow learners. Advanced learner generally take up leadership roles such as class representative, Forum co-ordinator, NCC co-ordinator, NSS co-ordinators. In addition to this the advanced learners are inducted into EDC initiatives, MOU activities and Project leaders.

Slow learnes are taken care of by supporting their academic activities through crash courses, coaching classes and they are inducted as group members of Forum, NCC, NSS, EDC and project members.

6. Library.

Sufficient number of books are maintained in the library as per the norms laid by affiliating university / UGC / AICTE. Total 18 subscription for journals is there. Total 13. e-journals / e-resources are available.

D. SDPs / FDPs :-

SL NO	Branch	Name of the work shop / seminar	Resource Person	Date
1.	CS	Awareness on IPR	Mr. Gautham Bhat, Asso	24-01

			Director with IBMS GTS's lab Bangalore	
2.	ECE	Optical communication networks & patenting rights	Dr. Muralidhar Kulkarni, Professor Dept of ECE, NITK Suratkal	03-03-2018
3.	ISE	IPR: Basics and importance	Mr. Ajith Kumar	17-02-2018
4.	ME	Intellectual property rights & its importance	Mr. Ajith Lawyer	24-04-2018.

E. R&D:

1. The Application for recognition of VTU research centre in the department of CSE has been approved and a sanctioned letter is received on 25 May 2018 from VTU.

2. Six Departments of the institute have recognised the research centre. Hence, IQAC suggested the civil engineering department to have a thought process to obtain a VTU recognized research centre.

3. The following are the research scholars registered at our institute research centres

Sl. No	Dept.	Name of the supervisor	Name of the scholar	Year of registration
1.	Chem	Dr. Basavaraju B.	Ms Sakshi Kamath	2017
2.	Phy	Dr. Ramprasad A T	Mr Ranjan B. Shetty	2017
3.			Mr. Noorjan N	2017.

4.			Jyothi John	2017
5.	Maths	Dr. Prameela Kolake	Ms. Kavitha. B	2017
6.			Ms. Rashmi	2017
7.	ME	Dr. Satyanarayan	Mr. Jayaram Bhat	2017
8.	CV	Dr. H G Umesh Chandra	Mr. Yogesha D S	2017
9.	ECE	Dr O V Manjunatha	Mr Sushanth Anil Lobo	2017
10		Dr Dattathreya Gujjar	Mr. Ajay Prinston Pinto	2017
11.	CSE	Dr. Roopalakshmi R	Ms laxmi V	2017

4. Funds Recieved :-

A. A total of 08 projects of final year of academic year 2016-17 were funded by KSCST with the amount of Rs 40,000

B. An amount of Rs. 05 Lakh was funded by VGST to Dr. Pavithra G P for project "Ni - Mo Composite coatings with NiO nanoparticles as electrocatalytic material"

5. Student Publication :-

A. there are totally 17 Publications done by CSE department students, 12 done by ECE students and 37 by ME department students

6. Faculty Publications :.

Sl NO	Program	Title of Paper	Name of the authors	Name of Journal
1.	CSE.	Influence maximization in large social networks: Heuristics models and parameters	Dr. Sumith N	Future generation computer system ~~International~~

2	CSE	Improved video streaming using MSVC and Non-overlapping Zone Routing Multipath Propagation over MANETs	Dr. Mohideen Badhusha S	Inter-national journal of communication systems
3.	CVE	Treatment of Diary wastewater and Bioelectricity generation using membraneless microbial fuel cell	Mr. Sanjay S	International journal of civil engg & technology
4.	CVE	RS & GIS Based site suitability Analysis for the disposal of solid waste for moodbidri and karkala region	Mr. Sanjay S	International journal of civil engineering and technology.
5.	ECE	EMD based Hilbert energy spectrum analysis of adventitious lung wave signals	Dr Shankar B B	International journal of engineering & technology
6.	ECE	BISI based low power vector and minimizing Bulkiness of VLSI architecture	Dr. Praveen J	World scientific publication, journal of circuits, system & computers
7.	ECE	Estimation and visualization of 2D orbits of GPS satellites using GPS	Dr. Dattathreya	International journal of scientific research in

		Navigation Data file from mangalore GNSS Reciever	Dr. Dattathreya	compu. Scien. Engineering and inf. matics technolo.
8.	ISE	A Brand new application of visual Audio Fingerprints: Estimating the position of the pirate in a theater. A case study	Dr. R. Roopalakshmi	Elsevier journal of imag & vision computing
9.	ME	Reduction in through put time of drum Shell manufacturing by single V welding configuration	Mr. Sadashiv Bellubbi	IOP conf. series: material Science & engineering
10.	CHEM	Corrosion behavior and characterization of Ni-Nb 2 O 5 composites prepared by pulse electro-deposition	Mr. Mohan reddy	Surface engineering & applied electro chemistry
11	CHEM	Ni-Si_3N_4 electro deposition, properties and corrosion behavior	Mr. Mohan Reddy	surface engineering & Applied electro-chemistry
12.	CHEM	A review on natural areca fibre re-inforced polymer composite materials	Ms. Sakshi S. Kamath	Ciencia Tecnologia dos materiais
13.	PHY	Simulation model for electron irradiated IGZO thin film.	Dr A Jayarama	Journal of semiconductors

		transistors.		
14.	PHY	structural & vibrational characteristics of a nonlinear optical material 3-(4-nitrophenyl)-1-(pyridine-3-yl) prop-2-en-1-one probed by quantam chemical composition and spectroscopic techniques	Dr A. Jayarama	Journal of molecular structure.
15.	PHY	Microstructure characteristics & mechanical properties of dissimilar Tig weld between stainless steel & mild steel	Dr S. K. Kumara. swamy	International journal of Mechanical engineering and technology (IJMET)
16.	PHY	Surface segregation of chromium carbide in stainless steel and its thermo-dynamic stability study by cyclic heat treatment.	Dr S K Kumara-swamy.	International Journal of Mechanical Engineering and Technology (IJMET)
17.	PHY	Analysis of the barriers for implementing green supply chain management (GSCM) particles on organic	Dr S K Kumara-Swamy	International Journal of Mechanical engineering and technology (IJMET)

		Irrigation : An Interpretive Structural modeling (ISM) approach	Dr S.K. Kumaraswamy.	
18.	PHY	Analysis of the barriers for implementing green supply chain management (GSCM) particles on organic irrigation: An analytical Hierarchy process (AHP) approach	Dr. S.K Kumaraswamy.	International Journal of Mechanical Engineering and Technology (IJMET)
19.	PHY	The structural and third-order nonlinear optical studies of a novel nitro group substituted chalcone derivative for nonlinear optical applications	Dr A. Jayarama	Applied Phy A Material science & Processing Appl Phys
20.	PHY	Zn doped CdO thin linear and third order nonlinear optical properties for optoelectronic application	Dr A. Jayarama	AIP conferen proceedings

IQAC appreciated the efforts in increasing the number of publications and suggested other branches also to increase publications and also the quality of publications.

f. Industry Institute Interaction :

1. Four students from civil Engineering, Five student from CSE, 18 from ECE, 9 students from ISE, 37 students from ME and three students from MBA completed their Internship program varying from 15 - 45 days.

2. Five students from CSE carried out a project in RRSC - South, Bangalore, from 16th Jan to 11th Feb, 2018 technologies, Bangalore. This started in the month of december 17 and jan 18 and will be in continuation till 3 years from date of Inception.

3. Dept of Physics was involved in a collaborative research with IIT Bombay and iware systems.

4. Dr. Radhusha, Dr. Sumith N and Prof. Vasuder Shahapur, the faulty of CSE department attended a workshop in RRSC-South, Bangalore.

5. EDC : EDC cell activity is listed in the table

Activity	Date
EAC Awareness Comp - 5: Three days workshop	22 Feb 2018 to 24 Feb 2018

6. Industrial visit :

A. The student of CSE visited to ISRO & HAL, Bangalore in Mar 2018.

B. The students of CVE visited Idukki dam, kerala in Apr 2018.

C. The students of ISE dept visited to ISRO & HAL in Feb 2018 and Udupi power station in apr 2018.

d. The Students of MBA dept. visited Sri Kalikamba Boiler & Drivers Pvt. ltd Moodbidri

in Jan 2018.
e. The student of ME dept. visited BTPS, Bellary & JSW, Hospet in Apr 2018.

7. MoU/s signed in this year:
a. The AIET has collaborated with NRSC Hyderabad to do asset mapping for ISRO Bhuvan project. The letter was communicated by NRSC on 11 mar 2017, in this regard, AIET had completed 55 grom Panchayat asset mapping by 19 May 2017, and received the grant amount of Rs 55,000 for the same.
b. The AIET is in discussion with ISRO to collaborate with the NAVIC project. The ISRO has developed the NAVIC navigation system to help fishermen. The AIET has proposed to help in the implementation process.

SL. NO	Name of the institution / corporate	Date	Durati
1	Aegaeon Technologies, Mysore	9.2.18	1 Year

G. Mandatory Clubs:
The IQAC committee expressed its satisfaction over the formation of mandatory committee formed in the institution and the effective functioning of the same. Committee suggests to continue the same and if any issue reported immediate action needs to be initiated.

H. Social outreach Programs:
1. Alva's Pragati is planned to be conducted in July 2018.
2. The cadets of Air wing NCC helped in organizing Krisi, Siri, by Aranya Foundation

on 03 Feb 2018.

3. KALIYONA COMPUTER - Rural computer Education Camp, was conducted by the Dept of CSE to the students of JEM High school, Kalasa Chikmagalur from 17 Jan to 19 Jan 2018

4. Hamsa: A charity Event, an event was conducted by the Dept. of ISE on 28 Feb 2018, the raised amount was donated Mount Rousary charitable institution.

Agenda 04 :- Presentation of overall performance of the institution academic year 2017-18.

Placement :-

Total of 39 companies visited AIET campus in the year 2017-18. Prominent companies visited are Maventic, EY, Emphasis, Kaynes Technologies, Oracle, West line Marine ship management, Silver Peak Global, Automotive Axle, and the like. Total of 324 students are placed out of 544 students. With this overall placement percentage is 59%.

Faculty Ph.D :-

Ph.D Awarded - Praveen J. Faculty of ECE Department completed his Ph.D on Mar 2018.

Cultural :-

The cultural team of 45 members from AIET participated in 18th VTU Youth festival conducted at Angadi college, Belagavi from 11 Apr to 13 Apr 2018, following are prizes won by AIET students:

Sl. No	Medals	Event
1.	Gold Medal	Folk orchestra, VTU youth festival Angadi college belagavi
2.	Gold medal	Mime, VTU youth festival, angadi college belagavi
3.	Gold medal	Skit, VTU youth festival, Angadi college Belagavi
4.	Gold medal	One act play, VTU youth festival Angadi college Belagavi
5.	Bronze medal	Collage, VTU youth festival Angadi college, Belagavi
6.	Silver medal	Installation, VTU youth festival Angadi college, Belagavi

Alva's institute of engineering and technology is champions at 18th VTU youth festival.

NCC:-

1. The 09 cadets have passed B-certificate exam and 10 cadets have passed C-certificate exam conducted in the month of feb 2018 by NCC.

2. The 06 Kar Air Sqn NCC, Mangalore has requested to provide campus to conduct Annual training camp on July 2018.

Sports:-

1. AIET Cross country men and Women team prize winners in VTU inter collegiate inter zonal cross country championship, held at NMAMIT NITTE On 27th to 28th Feb 2018.

2. AIET Volleyball men team prize winners in VTU Inter collegiate Mangalore zone and inter zonal Volleyball championship held at SDMIT UJIRE, on 5th to 8th Mar.

2018

3. AIET Kho-Kho women team prize winners in VTU Inter collegiate Rest of Bangalore zone and inter zonal Kho-Kho champion-ship, held at SKSVM Laxmishwar and BAT Bangalore. On 2nd to 6th April 2018.

4. AIET Kho-Kho men team prize winners in VTU inter collegiate Mangalore zone and Inter zonal Kho-Kho Championship Held at VCET puttur and SJCIT Chikballapur from 6th to 9th April 2018.

5. AIET Ball Badminton men team prize members in VTU inter collegiate Rest of Bangalore zone and inter zonal Ball Badminton championship, held at MCE hassan from 16th to 18th April 2018.

6. AIET Ball Badminton women team prize winners in VTU Inter collegiate Rest of Bangalore zone and Inter zonal Ball Badminton championship, held at MCE hassan from 16th to 18th April 2018.

7. AIET Kabaddi men team prize winners in VTU Inter collegiate Mangalore zone and Inter zonal Kabaddi Championship held at VCET puttur from 27th APRIL to 1st May 2018.

8. AIET. Kabaddi women Team prize winners in VTU Inter collegiate Rest of Bangalore zone and Inter zonal Kabaddi Championship, held at CIT Gubbi from 9th to 12th May, 2018.

9. AIET swimmer shravan kumar (second year engineering) student has received in two silver and three bronze medal in VTU inter collegiate swimming champion-ship held at BAT Bangalore.

10. AIET Power Lifter Rishab Rajesh Rao (First year engineering) student has received in one silver medal in VTU Inter collegiate Power Lifting Championship held at SIT Tumkur.

11. AIET Athlete Harshith S (First year MBA) student has received in bronze medal in All India Inter University Athletic Championship held at Acharya Nagarjun University Guntoor, A.P. & he has received Ekalavya Award which is given by karnataka government for the outstanding achievement in the field of sports.

12. Inter University Represented students 2017-18.

Sl. NO	Name	Event	Class / SEM	Organising University
1.	Ankitha	Kabaddi	II Year MBA	Mangalore
2.	Shivaranjini M S	Kabaddi	I Year MBA	Mangalore
3.	Sheethal	Kabaddi	IV Year Engg	Mangalore
4.	Manil U	Kabaddi	II Year Engg	ANNA Uni
5.	Shravan Kumar	Swimming	II Year Engg	Punjab Uni
6.	Harshith S	Athletics	I Year MBA	ANU Guntur
7.	Naveen Gowda	Athletics	I Year MBA	ANU Guntur
8	Simona Mascarenhas	Athletics	I Year MBA	ANU Guntur
9.	Kalavathi H R	Kho-Kho	II Year MBA	MYSORE Uni

10.	Kavyashree K	Kho-Kho	II Year MBA	MYSORE UNI
11.	Kalarathi H R	Cross Country	II Year MBA	VTU Belgaum
12.	Akhila M S	Cross Country	II Year MBA	VTU Belgaum
13.	Shree Raksha	Badmin-ton	I year Engg	Anna UNI

Agenda 04 :- Approval of departmental activities to be conducted for the academic year 2018-19 along with the budget.

Resolutions :- The program/club wise activity list with budget, submitted by respective HODs [annexure I] and club co-ordinators is presented to IQAC and approval was taken.

Agenda 05 :- Any other discussion with the permission of the chair.

1. The IQAC committee has approved a ~~Any other~~ strategic perspective plan presented by various departments, clubs and committees for academic year 2018-19.
2. The Revised policy on training and Placement cell is presented to IQAC and hence it is approved.
3. The prevention of sexual harassment committee has presented the policy on PSH to IQAC hence it is reviewed and approved.

The meeting is concluded by thanking all.

IQAC Chairman

Chairman
IQAC
AIET, Kijar