

ACADEMIC YEAR 2019-20

Feedback from Parents: Analysis Report

Date: 12.11.2020

I. Preamble:

The Institution maintains excellent rapport with parents and encourages their association and support in Academic / Curricular / Co-curricular / Administration activities for the holistic development.

Institution maintains SMS communication with parents to disseminate information related to academic performance of their wards in continuous assessment tests, semester end examination, course wise attendance details etc. at regular intervals. In addition parents were also communicated through mail, phone, letter, etc,

II. ACADEMIC ASSOCIATION

- ❖ Parents are acting as member in the School Level Advisory Committee (SLAC) & Board of Studies (BOS) of the Departments to obtain their views and suggestions about curriculum restructuring, syllabus revision, introduction of new courses, innovation in teaching – learning etc. The SLAC and BOS were conducted during Dec. 2019 – January 2020 & Jan – July 2020 across departments / schools of the institution.

Annexure 1: Sample minutes of SLAC and BOS

- ❖ Parents participate in the meeting of Internal Quality Assurance Cell (IQAC) and offer their valuable suggestions on the following aspects:
 - ✓ Curricular Aspects
 - ✓ Teaching Learning and Evaluation
 - ✓ Research, Consultancy and Extension
 - ✓ Infrastructure and Learning Resources
 - ✓ Student Support and Progression
 - ✓ Governance, Leadership and Management
 - ✓ Alumni connect
 - ✓ Admission

In the Academic Year 2019-20, IQAC with participation of external members was held on 06.08.2019 & 29.01.2020.

Annexure 2: IQAC – Constitution circular

Annexure 3: Sample minutes of IQAC with parents participation

Feedback received from Parents through Meeting of Board of Studies School Level Advisory committee meeting and Meetings of Internal Quality Assurance Cell.

The important suggestions given by the parents with respect to curricular aspects which are taken in to consideration for further action taken are:

- Inclusion of new courses on cutting edge areas.
- To offer more emphasize on internship and practical training

III. Parents – Teachers Meeting

Institution organized Parents – Teacher meeting (PTM), semester wise, to facilitate interaction between parents and course handling teaching faculty / Head of the Department / Dean of School and to understand the academic performance of their wards. In the academic year 2019-20, Parents – Teacher meeting was conducted on 28.09.19 (ODD semester 2019-20) in which around 380 parents participated. During the Even Semester 2019-20, due to the pandemic situation PTM was organised by departments based on need through online.

Analysis based on Feedback through Parents - Teacher Meeting

- ❖ Regarding quality of teaching, around 80 - 85% of the parents expressed their happiness by awarding Excellent – Good score.
- ❖ In terms of parameters such as laboratory facilities and examination systems, conducting value added programmes / organizing field trips / technical lectures / industry internship / attainment of programme outcomes and course outcomes, more than 75 % of the parents expressed their complete satisfaction.

Annexure 4: Sample Analysis report submitted by the Departments

IV. ONLINE FEEDBACK

- ❖ Institution also facilitated association with parents in terms of 24X7 online feedback in the Institution website to obtain suggestion / comments on various aspects viz. teaching-learning process, curriculum & syllabus, attainment of programme outcomes, infrastructure facilities etc.

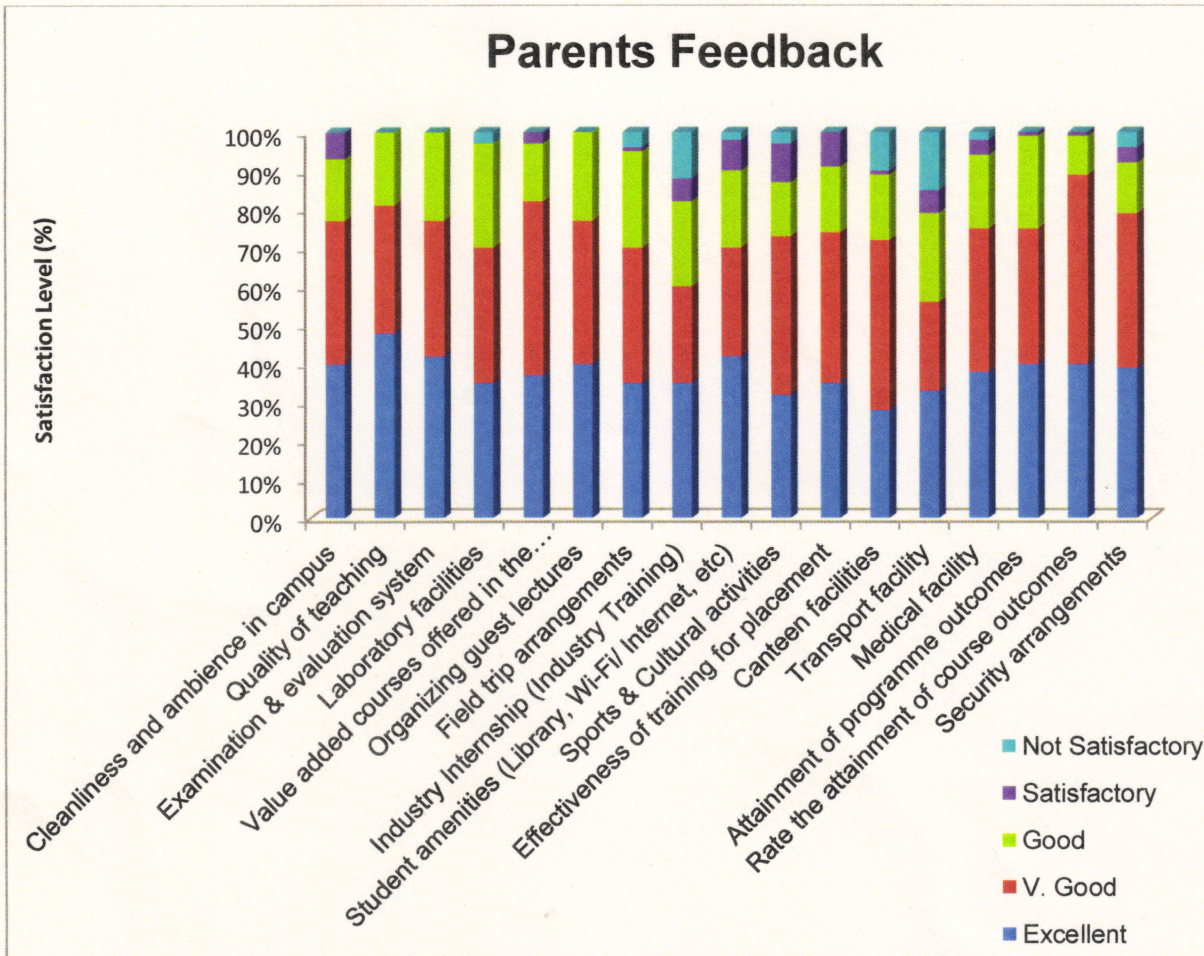
Analysis based on Parents Feedback through Institution website

- ❖ Parents gave very good rating (7 to 8.5 out of 10 point scale) for quality of teaching, laboratory facilities and examination systems, conducting value added programmes / organizing field trips / technical lectures / industry internship / attainment of programme outcomes and course outcomes

Table 1: Analysis of parent's feedback in various academic and general parameters

S.No	Description	Response of parents (%)				
		Excellent	V. Good	Good	Satisfactory	Not Satisfactory
1	Cleanliness and ambience in campus	40	37	16	7	0
2	Quality of teaching	48	33	19	0	0
3	Examination & evaluation system	42	35	23	0	0
4	Laboratory facilities	35	35	27	0	3
5	Value added courses offered in the Department / School	37	45	15	3	0
6	Organizing guest lectures	40	37	23	0	0
7	Field trip arrangements	35	35	25	1	4
8	Industry Internship (Industry Training)	35	25	22	6	12
9	Student amenities (Library, Wi-Fi/ Internet, etc)	42	28	20	8	2
10	Sports & Cultural activities	32	41	14	10	3
11	Effectiveness of training for placement	35	39	17	9	0
12	Canteen facilities	28	44	17	1	10
13	Transport facility	33	23	23	6	15
14	Medical facility	38	37	19	4	2
15	Attainment of programme outcomes	40	35	24	1	0

16	Rate the attainment of course outcomes	40	49	10	1	0
17	Security arrangements	39	40	13	4	4



Other suggestions:

- Offering new courses in emerging areas
- Offering more value added courses
- Offering practice oriented theory courses
- To offer more focussed placement training
- To offer coaching in foreign language like French, Japanese, etc.,
- To facilitate more industrial training
- Introduction of new courses like AI and IOT in Semester I

Annexure 5: Sample Parents Online feedback forms


 12/11/2020
Dean, Academic Affairs
DEAN (ACADEMIC AFFAIRS)
 B.S. Abdur Rahman Crescent Institute
 of Science & Technology
 Vandalur, Chennai - 600 048, India

Annexure 1: School Level Advisory Committee Meeting



SCHOOL OF ELECTRICAL AND COMMUNICATION SCIENCES

Date: 04.1.2020

MINUTES OF SCHOOL LEVEL ADVISORY COMMITTEE MEETING (SLAC)

The Fifth SLAC meeting of the School of Electrical & Communication Sciences was held on 04.01.2020 at 10.30 a.m in the seminar hall of the EIE Department. The following SLAC members attended the meeting and gave their valuable suggestions.

Sl.No.	Name / Designation	SLAC Members (Responsibilities)
1.	Dr. D.Najumnissa Jamal, Dean (SECS)	Chairman
2.	Dr.S.Kaja Mohideen, Director (PG Admissions) Senior Professor	Member
3.	Dr.Nafeena, Assistant Professor, Kings Engineering College, Irrungattukotai	External Expert (Academic)
4.	Dr. M. Malleswaran, Head/ECE, Kancheepuram campus, Anna University	External Expert (Academic)
5.	Dr. K. Kamalanand, Assistant Professor / Instrumentation Engg, MIT, Chennai	External Expert (Academic)
6.	Mr. M. Balasubramanian, Engineering Manager, Power Transmission and Distribution, International Division, L&T Pvt. Ltd., Chennai	External Expert (Industry)
7.	Mr.Abinesh, Nokia Solutions, Chennai	External Expert (Industry)
8.	Mr.P.Lenin, Manager(Marketing) ,Fluke Technologies, Chennai	External Expert (Industry)
9.	Mr.Joseph Selvakumar, Manager, Product Marketing, Fluke technologies, Chennai	External Expert (Industry)

10.	Dr. Y. Mohamed Shuaib, Asso Prof & HoD/EEE	Member
11.	Dr. C.Tharini, Prof. & HOD / ECE	Member
12.	Dr.P.K.Jawahar, Professor & Head/EIE	Member
13.	Dr.B.Vijayalakshmi, Prof. / ECE	Member
14.	Dr. R. Jayashree, Professor / EEE	Member
15.	Dr. G. Kannan. Associate Prof/ ECE	Member
16.	Ms.G.Anitha AP, (Sel.Grade)/ EIE	Member
17.	Ms. Belwin J Brearly, AP (SG) / EEE	Member
18.	Ms. S. Jennathu Beevi, AP (SG) / EEE	Member
19.	Ms.M.S.Murshutha Shajahan, AP (SG) / EIE	Member
20.	Mr.Mohamed Hisham , Development Engineer, Comcost	Alumni
21.	Mr. Sheik Abdul Ayaz, Co-Founder, Enarxi Technology, Chennai.	Alumni
22.	Mr.S.Balaji, Control Engineer	Alumni
23.	Mr.Sridhar S, Senior Manager, Sun TV Network	Parent
24.	Ms.Arthi, III Year, B.Tech (ECE)	Student
25.	Mr. V. Jawahar, IV Year B.Tech. (EEE)	Student
26.	Mohamed Harish M, IV Year B.Tech (EIE)	Student
27.	B. Arshath B.Tech (EIE)	Student
28.	Manikandan.D. IV year B.Tech (ECE)	Student
29.	Arashath Bilal B.Tech (EIE)	Student

Dr.D.Najumnissa Jamal, Dean (SECS) welcomed the experts and the stake holders. Then she briefed about the importance and highlights of the School Level advisory meeting to prepare the students for placement and higher studies and to make revisions in the curriculum and syllabus by adding the electives which will meet the Industry requirements.

Dr. Y. Mohamed Shuaib HOD/EEE was invited to brief about the highlights of EEE department and its curriculum and the content of the courses followed by Dr.C.Tharini, HoD/ ECE and Dr.P.K.Jawahar, HoD /E&I.



Dr.D.Najumnissa Jamal, Dean (SECS) welcomed the members of SLAC

The following points were discussed in the SLAC:

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

The HOD of EEE department Dr. Y.Mohammed Shuaib, welcomed all the experts, members and stakeholders and presented some of the highlights of department of EEE. Few of the highlights shared are:

- All the programmes are NBA accredited.
- All the courses are outcome based. In each course, the course outcome is mapped to the programme outcomes.
- Credit is given for internship.
- Certain courses/ Topics are handled by the faculties from reputed institutions outside India.
- Interaction with alumni is constantly maintained. Guest lectures by Alumni's are organized for the betterment of the students. Suggestions are obtained from the Alumni to improve the department and the University.

- More than 26 licensed softwares are available in the department for the students to carry out projects and research works.
- Research outputs are published in Scopus indexed journals with high impact factor.
- Funded projects worth Rs. 37.5 lakhs has been completed for AICTE and DRDO.
- Collaboration is made with prior institutions and industries.
- Many of our department alumni are currently occupying highly reputed positions in the industry.



Dr. Y.Mohammed Shuaib, HOD/EEE addressing the members

Then, HOD/EEE said that the agenda for the Board of Studies meeting is framed based on the feedback obtained from various stake holders. The agendas and the feedback obtained from the members of SLAC are given below.

HOD/EEE informed that most automobile companies are vowing to switch to electric, a cleaner and sustainable alternative. An 'electric' revolution is coming to automobile sector in India. But, the industry is facing a shortage of talented, aptly skilled engineers needed for the transition to electric drives as the primary source of motive power. In order to fill the gap the Department of Electrical and Electronics Engineering is planning to offer the courses

- i) **Electric Vehicle Technology**
- ii) **Artificial Intelligence with Matlab** as General Electives for the other department students.

- Dr. M. Malleswaran, (HOD/ECE, Anna University, Kancheepuram Campus) suggested to include '**MANET**' in the courses Electric Vehicle Technology.
- Mr. M. Balasubramanian (Engineering Manager, Power Transmission and Distribution, International Division, L&T Pvt. Ltd., Chennai) suggested including '**Rapid Charging Technology**' in the course 'Electric Vehicle technology'.
- Mr. M. Balasubramanian suggested to include '**Smart Battery Management System**' either in the course Electric Vehicle technology as one module or to include it as a new professional elective course with one credit.
- Mr. V. Jawahar, IV Year B.Tech. (EEE) suggested including **the impact of electrical equipments and batteries** over the environment in the course Environmental Science Engineering.
- The members of SLAC discussed to change the two Courses 'Power System I' and 'Power System II' into three courses '**Electrical Power Transmission and Distribution**', '**Power System Analysis**' and '**Power System Operation and Control**' as in the previous regulation.

The HOD/EEE said that as per the comments received from NBA expert committee during the previous accreditation process, the **PEOs for B.Tech (EEE) were revised** and presented.

- Mr. M. Balasubramanian suggested changing the word 'laboratories' in to 'hands on experience' in PEO3.

HOD EEE said that with reference to the feedback received from the students during the class committee meeting and result analysis of Semester II, it was proposed to revamp the syllabus content of the course Electric Circuit Analysis. The content related to **Network Analysis & Synthesis** and filters can be separated to form a separate course Network Analysis & Synthesis and it can be included in Professional Elective Group.

- Mr. M. Balasubramanian suggested that the courses **Electric Circuit Analysis, Network Analysis & Synthesis** are very important for undergraduate EEE students. Hence he asked to consider both the courses as core courses rather than elective course.

- The courses **Evolutionary Computing and Digital Signal Processing** were suggested by the faculty members to include as professional elective courses. However Dr. M. Malleswaran suggested changing the course name '**Evolutionary Computing**' into '**Soft Computing Techniques**'.
- VII semester students of EEE, requested to include the course **Python programming** as a **Professional Electives course**.
- Mr. Sheik Abdul Ayaz, Alumni (Co-Founder, Enarxi Technology, Chennai) suggested to include processor based teaching (**Rasperry Pi**) in the course Python Programming.
- HOD EEE said that with reference to the feedback received from the students during the class committee meeting and course teacher's feedback, it was proposed to **revise the syllabus content** of the course **Signals and Systems**. The module VI on Introduction to Digital Filters may be removed and the Module III on Fourier series and Fourier Transform may be split into two modules. The topic 'Fast Fourier Transform' also may be removed. The removed content may be covered in the elective course "Digital Signal Processing". The members of SLAC agreed for the same.

Finally HOD / EEE thanked all the experts and stakeholders who have given their valuable suggestions and concluded his presentation.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Dr. C. Tharini, HOD/ECE, presented about the Electronics and Communication Engineering (ECE) Department and highlights of the curriculum of B.Tech ECE (Regulation 2017), M.Tech VLSI & Embedded systems (Regulation 2019).

The points highlighted were:

- OBTL – Outcome Based Teaching Learning is adopted.
- Credit transfer for elective course from Swayam /NPTEL is permitted

- Credit is given for internship.
- Support from Industries such as Jasmin Infotech, Nokia Networks, National Instruments.
- Offering value added program on CLAD and Automotive Embedded systems
- One credit courses and special lectures were carried out by the affiliated faculties of international universities and Alumni.



Dr.C.Tharini, HOD/ECE addressing the members

- Well balanced OBE curriculum, with due emphasis on theory courses, laboratory courses and project work
- Choice based professional electives are given from 5th semester and from 6th semester onwards it is grouped as RF and Communication Stream, Signal Processing Stream, VLSI & Embedded System Stream
- Industry internship is made mandatory for students
- Integrated lab courses & 24% Weightage for electives
- Interdisciplinary Electives, Credit Transfer for NPTEL courses
- Encourage the students to carry out their projects in industry
- Realization of products through practical skills

- One credit and two credit courses are introduced
- Course delivery by industry experts

After due deliberations, the suggestions made by the SLAC members towards the Curriculum and Syllabus of B.Tech ECE (Regulation 2017), M.Tech VLSI & Embedded systems (Regulation 2019) are listed below;

Dr. M. Malleswaran, Head/ECE, Kancheepuram campus, Anna University, appreciated the curriculum structure and suggested to add a course on **Intelligent navigation system, Gyroscope system.**

Dr. K. Kamalanand, Assistant Professor/Instrumentation Engg, MIT, Chennai, recommended to add the course on **Nano Electro Mechanical Systems (NEMS)** in B.Tech curriculum.

Mr.Abinesh, Nokia Solutions, Chennai suggested **adding artificial Intelligent like Machine learning within the course image processing as a module.** Also suggested a course on **“Electronics for smart automotives” and Indoor navigation Systems. Computer networks to be shifted from 6th semester to 5th semester** as this will help the students to prepare for placements interviews.

Mr.Hisham, Alumni (2014-2018) batch, currently working in Comcast Corporation, Chennai, appreciated the curriculum structure and **recommended to Integrate, Neural network in Digital Image Processing, especially convolution neural network**

The feedback from external experts, Alumni and students were obtained. Further HoD informed that these suggestions and feedbacks will be considered in the Eighteenth BoS (ECE) meeting for further deliberations and implementations.

The HoD / ECE thanked all the experts who have given their valuable suggestions and Feedbacks and concluded the ECE department presentation.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Dr. P.K.Jawahar, Professor and Head of the Department, E&IE briefed about

- The salient features of the department, Lab facilities, affiliate professors, Industry collaboration, Research and Consultancy and its other activities.



Dr. P.K.Jawahar, HOD/EIE addressing the SLAC members

- The structure of the curriculum to focus on varied areas viz., Engineering Fundamental, Engineering Core, Project and industrial training as provided by the University were presented.

The following points were discussed by the external experts and students.

- HOD rose whether the course **EIC 2211 Thermodynamics and Fluid Mechanics** is really necessary for EIE students. Dr. K. Kamalanand, Assistant Professor, Instrumentation Engineering / MIT enlightened the importance of the course and mentioned to revise the syllabus again to make it crisp.
- Regarding **EIC3102 Microprocessor and Microcontroller** course, Dr. K. Kamalanand told very little importance can be given to 8051. (He accepted to give the syllabus for “**Microprocessor based system design**”). And he told that no separate course for Labview is needed. It can be studied in the course virtual Instrumentation
- He suggested that, instead of the course name, **Thermal power plant instrumentation (EICX62)** can be renamed as **Power Plant Instrumentation or Renewable & Nonrenewable Power Plant Instrumentation**.
- Mr.P.Lenin told that the course **Plant Engineering** is very essential subject wanted by industries. And **he appreciated the syllabus framed by the department**.


The following courses / topics were recommended by the stake holders

Sl. No	Name / Designation	Courses to be included as electives	Topics to be included	Courses to be removed
1	Dr. K. Kamalanand, Assistant Professor/Instrumentation Engg, MIT, Chennai	<ul style="list-style-type: none"> • Nanotechnology and Nano Instrumentation systems • Mathematical modeling and system analysis 		
2	Mr.P.Lenin, Manager(Marketing), Fluke Technologies, Chennai	<ul style="list-style-type: none"> • Metrology and calibration 	Communication protocols, Profibus, Foundation field bus, MEMS	
3	K.Joseph Selvakumar Fluke Technologies, Chennai	<ul style="list-style-type: none"> • Calibration 	MEMS, Labview	
4	Mr.S.Balaji, Alumni	<ul style="list-style-type: none"> • Facility management 		
5	Mohamed Harish M (Final Year EIE)	<ul style="list-style-type: none"> • Marine Instrumentation 	Deep learning	Electronic Circuits and Linear Integrated Circuits - modules can be revised

The HoD / EIE expressed his gratitude to all the experts who have given their valuable suggestions and Feedbacks and concluded his presentation.

The Dean (SECS) thanked all the stake holders for their feedback suggested and informed the Heads of the EEE, ECE and EIE to discuss the same in their Board of studies meeting for implementation of the same.





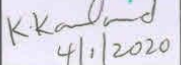
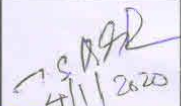

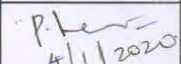
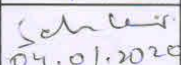
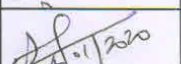


The meeting adjourned for lunch thereafter.


 (Dr.D.Najumnissa Jamal)
 Dean (SECS)

School of Electrical & Communication Sciences
 B.S. Abdur Rahman
Crescent
 Institute of Science & Technology
 Vandalur, Chennai-600 048,

SCHOOL OF ELECTRICAL AND COMMUNICATION SCIENCES
SCHOOL LEVEL ADVISORY COMMITTEE MEETING – ATTENDANCE SHEET

Date : 04.01.2020
 Day : Saturday
 Time : 10:00 A.M.
 Venue : Seminar Hall / Department of EIE

Sl.No	Name / Designation	SLAC Members	Signature
1.	Dr. D.Najumnissa Jamal, Dean (SECS) BSACIST	Chairman	 4/1/2020
2.	Dr. S. Kaja Mohideen, Director (PG Admissions)	Member	 4/1/2020
3.	Dr. Nafeena, Assistant Professor, Kings Engineering College, Irrungattukotai	External Expert (Academic)	 4/1/2020
4.	Dr. M. Malleswaran, Head/ECE, Kancheepuram Campus, Anna University	External Expert (Academic)	 4/1/2020
5.	Dr. K. Kamalanand, Assistant Professor/Instrumentation Engg, MIT, Chennai	External Expert (Academic)	 4/1/2020
6.	Mr. M. Balasubramanian, Engineering Manager, Power Transmission and Distribution, International Division, L&T Pvt. Ltd., Chennai	External Expert (Industry/ Employer)	 4/1/2020
7.	Mr. Abinash, Nokia Solutions, Chennai	External Expert (Industry)	 4/1/2020
8.	Mr. P. Lenin, Manager (Marketing), Fluke Technologies, Chennai	External Expert (Industry/Employer)	 4/1/2020
9.	Mr. Joseph Selvakumar, Manager Product Marketing, Fluke Technologies, Chennai	External Expert (Industry/Employer)	 04.01.2020
10.	Dr. Y. Mohamed Shuaib, Associate Professor & HOD/EEE	Member	 4/1/2020
11.	Dr. C. Tharini, Prof. & HOD / ECE	Member	 4/1/2020
12.	Dr. P.K. Jawahar, Prof. & HOD/EIE	Member	 4/1/2020

11.	Dr.B.Vijayalakshmi, Prof. / ECE	Member	<i>[Signature]</i> 4/11/20
12.	Dr. R. Jayashree, Professor / EEE	Member	<i>R. Jayashree</i> 4/11/20
13.	Dr. G. Kannan Associate Prof/ ECE	Member	<i>Kannan</i> 4/11/20
14.	Ms.G.Anitha AP, (Sel.Grade)	Member	<i>[Signature]</i> 4/11/20
15.	Ms. Belwin J Brearly, AP (SG) / EEE	Member	<i>[Signature]</i> 4/11/20
16.	Ms. S. Jennathu Beevi, AP (SG) / EEE	Member	<i>S. Jennathu</i> 4/11/20
17.	Ms.M.S.Murshutha Shajahan, Sr.Grade / EIE	Member	<i>[Signature]</i> 4/11/20
18.	Mr.Hisham / ECE	Alumini	<i>[Signature]</i> 4/11/20
19.	Mr. Sheik Abdul Ayaz, Co-Founder, Enarxi Technology, Chennai.	Alumni	<i>[Signature]</i> 4/11/20
20.	Mr.S.Balaji	Alumini	<i>[Signature]</i> 4/11/20
21.	Mr.Sridhar S, Senior Manager, Sun TV Network	Parent	<i>[Signature]</i> 4/11/20
22.	Mr.R. Kathirasan, Assistant Engineer, TNEB.	Parent	—
23.	Ms.Arthi, III rd Year, ECE	Student	<i>[Signature]</i> 4/11/20
24.	Mr. V. Jawahar, IV Year B.Tech. (EEE)	Student	<i>V. Jawahar</i> 4/11/20
25.	Mohamed Harish M, IV Year B.Tech (EIE)	Student	<i>M.M. Harish</i> 4/11/20
26.	Mr. Manikandan D, IV Year B.Tech (ECE)	Student	<i>[Signature]</i> 4/11/20
27.	B. ARSHATH IV YEAR B.TECH (EIE)	Student	<i>[Signature]</i> 4/11/20
28.	ARSHATH BILAL III-YEAR, EEE	STUDENT	<i>[Signature]</i> 4/11/20

[Signature]
4/11/2020
Dr. D. Najumissa Jamal,
Chairman SLAC,
Dean (SECS),

Annexure 1 : 14th Meeting of Board of Studies Meeting of EIE Department



SCHOOL OF ELECTRICAL AND COMMUNICATION SCIENCES DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Minutes of the Fourteenth Meeting of Board of Studies

The fourteenth meeting of the Board of Studies for the Department of Electronics and Instrumentation Engineering was held at 10 a.m. on 05.02.2020 in the Seminar Hall of the Department. The following members were present.

Internal Members

1. Dr. P.K.Jawahar, Prof & Chairman (BoS)
2. Dr. D.Najumnissa Jamal, Prof & Dean (SECS)
3. Mr.S.Shahul Hamid, Visiting Prof
4. Ms.G. Anitha, Asst Prof (Sel.G)
5. Ms. M.S.Murshitha Shajahan, Asst Prof (SG)
6. Ms.P.R.Hemavathy, Asst Prof (SG)
7. Dr.H.Kareemullah, AP
8. Mr.Rajkumar Sakthibalan, Ostara Research
9. Mr.A.Venkatesan, Head, NPI, Eaton MTL

Dr. P.K.Jawahar, Head of the Department and Chairman BoS welcomed the members for the Board of studies and explained the agenda of the meeting.

Item 14.1 To consider and approve the revision of the syllabi contents of certain courses in B.Tech (Electronics and Instrumentation) R2017

HOD presented the elective courses of B.Tech(EIE) to the board members. The external expert members went through the course contents of elective courses and suggested the following changes

- **EICX22 Robotics and Automation** is revised and modified. This enhancement in this course will be applicable from the academic year 2020-2021 onwards

Enhancement made in the syllabus was approved by Board of Studies

It was resolved to approve the item 14.1 and recommend the same to the Academic Council of the University

- **EICX65 Machine Learning** is revised and modified. This enhancement in this course will be applicable from the academic year 2020-2021 onwards

M O D
27/02/2020
Dean (AA)

FILE

Enhancement made in the syllabus was approved by Board of Studies

It was resolved to approve the item 14.1 and recommend the same to the Academic Council of the University

Item 14.2 To consider and approve the syllabi of General Elective courses

Expert from Eaton MTL Instruments suggested a new **General Elective course EMC (Electromagnetic Compatibility) & EMI (Electromagnetic Interference)**. In order to protect the Instruments / Devices from unintentional generation, propagation and reception of electromagnetic energy which may cause unwanted effects such as electromagnetic interference (EMI) or even physical damage in operational equipment, students should know the importance of EMI and EMC.

Enhancement made in the syllabus was approved by Board of Studies

It was resolved to approve the item 14.2 and recommend the same to the Academic Council of the University

Expert from Eaton MTL Instruments suggested a new **General Elective course Project Management**. Students should know how to initiate a project plan, manage stakeholders relationships, organize their team, and to develop project timeline chart, this elective is proposed.

Enhancement made in the syllabus was approved by Board of Studies

It was resolved to approve the item 14.2 and recommend the same to the Academic Council of the University

Item 14.3 To consider and approve the syllabi of One credit course

A value added course on "Data Historian and Analysis" was proposed in the meeting as one credit course. The course will be introduced from the academic year 2020-2021.

It was resolved to approve the item 14.3 and recommend the same to the Academic Council of the University

Item 14.4 To consider and approve the Change in Course code for the course Thermodynamics and Fluid Mechanics

Based on the feedback from the students and teachers, the lab integrated course EIC2211 Thermodynamics and Fluid Mechanics is converted in to regular theory course of 3 credit and the course code is EIC2216.

It was resolved to approve the item 14.4 and recommend the same to the Academic Council of the University.

Item 14.5 To consider and approve the points discussed in the SLAC meeting.

The School Level Advisory Committee Meeting for the Department of Electronics and Instrumentation Engineering was held at 10.00 AM on 04.01.2020, following points were discussed.

- HOD/EIE asked whether EIC 2211 Thermodynamics and Fluid Mechanics is really wanted for EIE students. Dr. K. Kamalanand told that it is an important course and syllabus can be simplified.
- Regarding EIC3102 Microprocessor and Microcontroller course, Dr. K. Kamalanand told very little importance can be given to 8085. And he told that no separate course for Labview is needed. It can be studied in the course virtual Instrumentation
- He suggested that, instead of thermal power plant instrumentation (EICX62) we can have Power Plant Instrumentation or in the name of Renewable & Nonrenewable power plant Instrumentation.
- Mr.P.Lenin suggested that the course Plant Engineering is an essential course wanted by industries. And he appreciated the syllabus framed by the department.

After detailed discussion, it was resolved to approve the item 14.5 and recommended the same to the Academic Council of the University.


PROFESSOR & HEAD
Department of Electronics & Instrumentation Engg.
B.S. Abdur Rahman
Crescent
Institute of Science & Technology
Mandapuram, Chennai-600 048.

Solution of inverse kinematics problem – multiple solution jacobian work envelop – hill Climbing Techniques – robot programming languages - Biomimicry.

MODULE V CASE STUDIES

9

Robot Maintenance and Safety - nano robots and mobile robots - Mutiple robots – machine interface – robots in manufacturing and non- manufacturing applications – robot cell design – selection of robot.

L – 45; Total Hours –45

TEXT BOOKS:

- Mikell P. Weiss G.M., Nagel R.N., Odraj N.G., "Industrial Robotics", Mc Graw-Hill Singapore, 1996.
- Ghosh, Control in Robotics and Automation: Sensor Based Integration, Allied Publishers, Chennai, 1998.

REFERENCES:

- Deb. S.R., "Robotics Technology and flexible Automation", John Wiley, USA 1992.
- Klafter R.D., Chimielewski T.A., Negin M., "Robotic Engineering – An integrated approach", Prentice Hall of India, New Delhi, 1994.
- Mc Kerrow P.J. "Introduction to Robotics", Addison Wesley, USA, 1991.
- Issac Asimov "Robot", Ballantine Books, New York, 1986.
- Barry Leatham – Jones, "Elements of industrial Robotics" PITMAN Publishing, 1987.
- Mikell P.Groover, Mitchell Weiss, Roger N.Nagel Nicholas G.Odrey, "Industrial Robotics Technology, Programming and Applications ", McGraw Hill Book Company 1986.
- Fu K.S. Gonzaleaz R.C. and Lee C.S.G., "Robotics Control Sensing, Vision and Intelligence" McGraw Hill International Editions, 1987.

OUTCOMES:

Upon completion of the course, the student should be able to:

- Choose proper methods for different applications
- Select Power sources and sensors for various applications
- Select actuators and manipulators for various applications
- Analyze and apply kinematics for design of Robots
- Design Manipulators for various robotic applications

EICX65	MACHINE LEARNING	L	T	P	C
		3	0	0	3

OBJECTIVES:

- To understand the need for machine learning for various problem solving
- To study the various supervised, semi-supervised and unsupervised learning algorithms in machine learning
- To understand the latest trends in machine learning
- To design appropriate machine learning algorithms for problem solving

MODULE I UNIT I INTRODUCTION 9

Learning Problems – Perspectives and Issues – Concept Learning – Version Spaces and Candidate Eliminations – Inductive bias – Decision Tree learning – Representation – Algorithm – Heuristic Space Search.

MODULE II NEURAL NETWORKS AND GENETIC ALGORITHMS 9

Neural Network Representation – Problems – Perceptrons – Multilayer Networks and Back Propagation Algorithms – Advanced Topics – Genetic Algorithms – Hypothesis Space Search – Genetic Programming – Models of Evaluation and Learning.

MODULE III BAYESIAN AND COMPUTATIONAL LEARNING 9

Bayes Theorem – Concept Learning – Maximum Likelihood – Minimum Description Length Principle – Bayes Optimal Classifier – Gibbs Algorithm – Naïve Bayes Classifier – Bayesian Belief Network – EM Algorithm – Probability Learning – Sample Complexity – Finite and Infinite Hypothesis Spaces – Mistake Bound Model.

MODULE IV INSTANT BASED LEARNING 9

K- Nearest Neighbor Learning – Locally weighted Regression – Radial Basis

Functions – HMM (Hidden Markov Model Case Based Learning) - GMM (Gaussian Mixture Model):

MODULE V ADVANCED LEARNING

9

Learning Sets of Rules – Sequential Covering Algorithm – Learning Rule Set – First Order Rules – Sets of First Order Rules – Induction on Inverted Deduction – Inverting Resolution – Analytical Learning – Perfect Domain Theories – Explanation Base Learning – FOCL Algorithm – Reinforcement Learning – Task – Q-Learning – Temporal Difference Learning

L – 45; Total Hours –45

TEXT BOOK:

1. Tom M. Mitchell, "Machine Learning", McGraw-Hill Education (India) Private Limited, 2013.

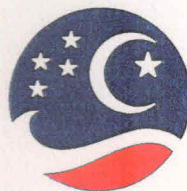
REFERENCES:

1. Ethem Alpaydin, "Introduction to Machine Learning (Adaptive Computation and Machine Learning)", The MIT Press 2004.
2. Stephen Marsland, "Machine Learning: An Algorithmic Perspective", CRC Press, 2009.

OUTCOMES:

At the end of the course, the students will be able to

- Differentiate between supervised, unsupervised, semi-supervised machine learning approaches
- Discuss the decision tree algorithm and overcome the problem of overfitting
- Discuss and apply the back propagation algorithm and genetic algorithms to various problems
- Apply the Bayesian concepts to machine learning
- Analyse and suggest appropriate machine learning approaches for various types of problems



Dr. A. Azad

REGISTRAR

Ref. No. 46/reg/2019/Final

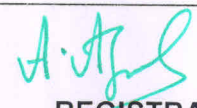
Date : 23.07.2019

Reconstitution of Internal Quality Assurance Cell of BSACIST

The Vice Chancellor has approved the reconstitution of the Internal Quality Assurance Cell of our Institute due to changes in academic portfolios and completion of term by some members. The Internal Quality Assurance Cell is reconstituted as follows w.e.f. 23.07.2019.

1	Prof. Sahol Hamid Bin Abu Bakar, Vice Chancellor	Chairman
2	Mr. Abdul Qadir A. Rahman Buhari, Pro Chancellor	Member
3	Dr. A. Azad, Registrar	Member
4	Ms. Nikath M. Hamza, Director, HR / FTA/ PR	Member
5	Dr. M.S. Haji Sheik Mohammed, Dean, Acad. Affairs	Member
6	Dr. R. Raja Prabu, Director, ARIA	Member
7	Dr. I Raja Mohamed, Dean, Research	Member
8	Major General Gurdeep Narang, Dean, Student Affairs	Member
9	Dr. M. Munir Ahamed Rabbani, COE	Member
10	Dr. S. Syed Mohamed Abdul Majeed, Director, Admissions	Member
11	Dr. N. Raja Hussain, Deputy Registrar (Admin.)	Member
12	Mr. V.N.A. Jalal, Sr. General Manager	Member
13	Mr. Shah Abdul Khader, Finance officer	Member
14	Mr. C.N. Suresh Babu, AO (Students & Academics)	Member

15	Dr. Vasanthi Padmanabhan, Dean SOI	Member
16	Dr. A. Jaya, Dean (i/c), SCIMS & HOD, CA	Member
17	Dr. S. Kaja Mohideen, Dean, SECS	Member
18	Dr. S. Rasool Mohideen, Dean, SMS	Member
19	Dr. S. Kutti Rani, Dean, SPCS	Member
20	Dr. K. Nilamudeen, Dean, CSL	Member
21	Dr. M. Vijaya Vara Prasad, Dean, CSP	Member
22	Dr. K. Srinivasan, Dean, Management Studies	Member
23	Dr. Ayub Khan Dawood, Dean, SSSH	Member
24	Dr. S. Hemalatha, Dean, SLS	Member
25	Ar. G. Jayalakshmi, Dean, CSA	Member
26	Dr. P.S. Syed Masood Jamali, Dean, SAIS	Member
27	Mr. Seshadrinathan, President, Alumni Association	Member
28	Mr. PMJF Lion R. Tamil Selvan, Zone Chairman, Lions District	Member
29	Mr. Kevin Kumar, Director, EPMCR, Chennai	Member
30	Dr. K. Vipinendran, Parent	Member
31	Ms. V. Niveditha, IV year student, B.Tech. Biotechnology	Member
32	Dr. Shakila Anjum, AP (CA), Assistant Coordinator, IQAC	Member
33	Dr. Mohammed Divan Masood, AP (CA), Assistant Coordinator, IQAC	Member
34	Dr. U. Sabura Banu, Professor, EIE	IQAC Coordinator


REGISTRAR
 23.7.19

REGISTRAR
 B.S. Abdur Rahman
Crescent
 Institute of Science & Technology
 Chennai-600 048

19/08/2019

**MINUTES OF THE MEETING OF
INTERNAL QUALITY ASSURANCE CELL (IQAC)**

The meeting of the Internal Quality Assurance Cell (IQAC) was held on 06.08.2019, 11:00 a.m. at Seminar Hall – III, Convention Centre, B. S. Abdur Rahman Crescent Institute of Science & Technology.

Agenda of the meeting:

- 1) Minutes of previous meeting & Action Taken Report
- 2) Curricular Aspects
- 3) Teaching Learning and Evaluation
- 4) Research, Consultancy and Extension
- 5) Infrastructure and Learning Resources
- 6) Student Support and Progression
- 7) Governance, Leadership and Management
- 8) Alumni connect
- 9) Admission
- 10) Any other item

The following members were present:

S. No.	Name & Designation
1.	Prof. Sahol Hamid Bin Abu Bakar, Vice Chancellor
2.	Dr. A. Azad, Registrar
3.	Dr. M.S. Haji Sheik Mohammed, Dean, Acad. Affairs
4.	Dr. I Raja Mohamed, Dean, Research
5.	Major General Gurdeep Narang, Dean, Student Affairs
6.	Dr. M. Munir Ahamed Rabbani, COE
7.	Dr. S. Syed Mohamed Abdul Majeed, Director, Admissions

S. No.	Name & Designation
8.	Dr. N. Raja Hussain, Deputy Registrar (Admin)
9.	Mr. V.N.A. Jalal, Sr. General Manager
10.	Mr. C.N. Suresh Babu, AO (Students & Academic s)
11.	Dr. Vasanthi Padmanabhan, Dean SOI
12.	Dr. A. Jaya, Dean (i/c), SCIMS & HOD, CA
13.	Dr. S. Kaja Mohideen, Dean. SECS
14.	Dr. S. Rasool Mohideen, Dean, SMS
15.	Dr. S. Kutti Rani, Dean SPCS
16.	Dr. K. Nilamudeen, Dean, CSL
17.	Dr. M. Vijaya Vara Prasad, Dean, CSP
18.	Dr. K. Srinivasan, Dean, Management Studies
19.	Dr. Ayub Khan Dawood, Dean SSSH
20.	Dr. S. Hemalatha, Dean, SLS
21.	Dr. P.S. Syed Masood Jamali, Dean. SAIS
22.	Mr. PMJF Lion R. Tamil Selvan, Zone Chairman, Lions District
23.	Dr. K. Vipinendran, Parent
24.	Ms. V. Niveditha, IV year student, B.Tech. Biotechnology
25.	Dr. Shakila Anjum, AP(CA), Assistant Coordinator, IQAC
26.	Dr. Mohammed Divan Masood, AP(CA), Assistant Coordinator, IQAC
27.	Dr. U. Sabura Banu, Professor, EIE, IQAC Coordinator

The meeting was chaired by the Vice-Chancellor.

He presented an overview of the agenda of the meeting and sought the expert advice and suggestions from the members of the IQAC.

The Vice Chancellor emphasized on the following:

- Encouraging Engineering admissions in higher education this academic year
- Introduction of multidisciplinary programmes
- Improvement in the Industrial role in the academic curriculum, projects, internships
- To provide quality assurance in the various sector such as academics, research and consultancy

Dean, Academic Affairs presented the detailed agenda and facilitated the deliberations.

The salient features of the deliberations are as follows:

- AQAR report for the AY2018-2019 was presented, deliberated and approved by IQAC
- 1) Minutes of the previous meeting and action taken report:**

The minutes of the previous IQAC meeting which was held on 29th January 2019 was confirmed. The action taken report on the same was also deliberated and approved.
 - 2) Curricular aspects**
 - **Starting multi-disciplinary programmes from the academic year 2020– 21**

Note on Agenda:
Starting multi-disciplinary programmes from the academic year 2020 – 21.

Discussion:

 - Dean, AA requested the august gathering to suggest multi-disciplinary programmes for the forthcoming academic year 2020-21.
 - Dr. Ayub Khan Dawood, Dean, School of Social Sciences and Humanities suggested few programmes such as B.Com with Data analytics, M.Com with CMA and BBA (General).
 - Registrar requested to consider the required infrastructural facilities for accommodating students in the new programme.

- Dean, School of Electrical and Communication sciences suggested starting new programme B.Sc. (Electronics)
- Registrar requested Dean(SECS) to make a review on the demand for the programme.

Resolution

The members approved starting of new programmes such as B.Com (with specialization in Data analytics), M.Com (with CMA) and BBA (General). from the academic year 2020-21.

➤ **Revision of curriculum and syllabus for P.G. Programmes (M.Tech. & M.Sc.) –Status review – Approval from BoS : A brief report**

Note on Agenda

Revision of curriculum and syllabus for P.G. Programmes (M.Tech. & M.Sc.) – Status review – Approval from BoS : A brief report

Discussion

- Dean, AA briefed the salient features of M.Tech Curriculum. He explained about mandatory registration of value added course by each student in II semester and enrolment in MOOC course in III semester
- Dr. Vasanthi Padmanabhan, Dean, School of Infrastructure raised the issue of the mandatory course on Research Methodology by the P.G. student and research scholar.
- Registrar replied that even U.G. students should be motivated towards research aspects and research methodology is a must for P.G. as well as Ph.D. He explained in detail that the course should be handled by a trained faculty expert in design of experiments, software and they should give case studies, tutorials, survey, and experimentation to give an insight into the course. He requested Dean (Research) to conduct a half a day session for researchers in science, social science, management and Engineering & Technology on problem definition, methodology and planning.
- Dean, AA highlighted that flexibility is given to departments to select the core courses, lab integrated courses, laboratory courses and mandatory

internship. Revision of the syllabus of M.Tech. programme to be placed in the respective board of studies should be ready for the Academic council to be conducted by the end of August 2019.

Resolution

After deliberations, it is suggested that the revision of syllabus of potential M.Tech. / M.Sc. programme should be placed in the respective board of studies and sent to Dean, AA at the earliest. These revisions will be presented before upcoming Academic Council for further approval.

- **To consider and deliberate the value added programmes offered/proposed by various departments/schools in the even semester courses: Review on courses conducted in the Even semester 2018-19 – Planner for the ODD semester 2019-20 – reg.**

Note on Agenda

To consider and deliberate the value added programmes offered/proposed by various departments/schools in the even semester courses: Review on courses conducted in the Even semester 2018-19 – Planner for the ODD semester 2019-20 – reg.

Discussion

- The Institute has been offering value added courses in niche areas through IIT Bombay (ST Programme). In addition all the departments are also offering employment oriented / skill based value courses.
- In the academic year 2018-19, 3363 students were enrolled in 76 value added courses under the mentoring of 46 faculty members.
- In the current semester (Odd 2019-20), 3200 students have enrolled so far in 29 courses under IIT Bombay Spoken Tutorial. The value added courses such as E Tabs, Revit Architecture, BIM, Internet of Things, Data Science, Artificial Intelligence, Service Robotics, Industrial Robotics, Deep Learning, Predictive Data Analytics, Automotive Open System Architecture (AUTOSAR), Graphical Programming using Lab view, Intrinsically Safe Instrumentation, Experimental Techniques were also offered to students on need basis.

- Dean, AA informed that in the even semester 2018 – 19, 1499 students were enrolled in 46 value added courses offered under IIT Bombay (Spoken Tutorials).
- Dean, AA requested Deans to motivate students to take up certification courses conducted by IIT Bombay (ST) to enhance the employment prospects. He also informed that our institution has got certification from IIT, Mumbai for having taken many online courses along with certificate to individual students.
- Dean, AA asked the Deans to come up with more number of value added courses in their respective departments and to make sure that at least one value added course should be attended by each student per year.

Resolution

After deliberations, the IQAC appreciated the efforts of the institution and endorsed the conduct of above value added courses in the even semester 2018-19.

3) Teaching Learning and Evaluation

➤ Result Analysis - Even semester 2018-19 – reg.

Note on Agenda:

The Result Analysis of the institution in the Even semester 2018-19 was presented for deliberations.

Discussion:

The programme wise results of the students from various departments / schools in the even semester 2018-19 were presented. In addition to the pass percentage in each programmes, the details of students with arrear in one / two / three courses were also highlighted and deliberated.

The Institution trend in terms of pass percentage is progressive in nature from lower semester to higher semester (i.e) 61% in the II semester; 67% in IV semester; 73% in VI semester and 94% in the VIII semester. The X semester of Architecture programme achieved 96% results. The overall comparison of even semester over the past three academic years (i.e., 2016-17, 2017-18 & 2018-19) were also deliberated and found to be similar. (Annexure 1 shows the comparison of even semester results during 2016 – 2019)

Dean, AA emphasized to increase the pass percentage in the 1st year by proper mentoring, monitoring and counseling.

Resolution

After deliberations, the IQAC noted the Result Analysis of the Institution in the Even Semester 2018-19.

- **Courses with less percentage of result: Even semester 2018-19 – Effectiveness of Root Cause Analysis - Suggestions for improvement – reg.**

Note on Agenda

Root cause analysis for the courses with poor performance of result was obtained Department / School wise (Odd semester 2018-19) for holistic analysis.

Discussion

Dean, AA mentioned that root cause analysis report was obtained by departments from potential faculty members in the courses with less percentage (< 60%) of results. The causes and the remedial measures were also identified.

He requested the Deans of School to ensure preparation of root cause analysis in the courses with less than 60% pass percentage by the departments under the School. The root cause analysis has shown this reason for more failures with clear cut measures considering the earlier remedial measures already taken for the same course in the past. He also informed the Deans of Schools to prepare a holistic result analysis report on academic performance of departments in terms of pass percentage with proposed action taken plan. The report shall be sent to Dean, AA at the earliest.

Dean, AA emphasized to compare the results in individual courses in each programme with previous two years of the results. If continuous drop is seen, revisiting the syllabus in consultation with the senior faculty member can be done.

Resolution

Performance analysis to be done based on the individual class and students by the Deans of School and the evaluation analysis report should be submitted to Dean, AA office within ten days.

- **Students with 'I' grade in courses – Strengthening Monitoring mechanism – Alternate arrangement for 'I' grade students – reg.**

Note on Agenda

Students with 'I' grade in courses – Strengthening Monitoring mechanism – Alternate arrangement for 'I' grade students

Discussion

- Dean, AA explained the importance of strengthening the monitoring of 'I' grade through class committee meetings, sending SMS to parents, speaking to students directly, giving individual attention to students and to treat students as adults
- Mr. Tamilselvan emphasized the importance of educating discipline to the students. They should be educated in the beginning of the semester about class discipline and maintaining attendance. If the student is absent for more hours in the first few weeks they need to be counseled and in case they don't respond their parents should be contacted and informed.
- Dean, AA mentioned that students with 60 – 70% should be counseled in time so that they get more than 75% attendance.
- The Registrar informed that students who lack attendance should attend extra classes to compensate attendance lagging. He also said that a second counseling can be given to the students and parents at the end of the first academic year.
- The Deans of Schools expressed their grievances that the parents of weak students not attending the parent teacher meeting. Mr. Tamilselvan said that when a student is continuously absent for classes, he should be warned for low attendance and a written affidavit be signed by the student and the parent.

Resolution

After deliberations, IQAC suggested a regular periodic mechanism from the beginning of the semester to enable students to avoid I grade in courses.

- **Offering “Social Entrepreneurship” course in collaboration with M/s. Wadhvani Foundation – Flexible assessment pattern – reg.**

Note on Agenda

Offering “Social Entrepreneurship” course in collaboration with M/s. Wadhvani Foundation – Flexible assessment pattern .

Discussion

- The course “Advanced Entrepreneurship” course was offered to students as per WF-NEN syllabus in the even semester 2018-19. In the odd semester (2019-2020) “Social entrepreneurship” will be offered as per Wadhvani Foundation -NEN syllabus for the B.Tech final year students. Flexibility is given to the evaluation of the assessment scheme. 80% for internal exam and 20% for end semester exam will be the assessment pattern.
- Registrar explained that the question paper should measure what a student knows and should contain components to be solved by excellent students, medium students, average and weak students.

Resolution

IQAC noted and appreciated the efforts taken by the Institution to promote Entrepreneurship among student community.

- **Awarding marks for ‘Attendance’ as internal assessment component – Suggestion for implementation – reg.**

Note on Agenda

Awarding marks for ‘Attendance’ as internal assessment component – Suggestion for implementation – reg.

Discussion

Awarding marks for the attendance (up to 5 marks) in the internal assessment component was deliberated

Resolution

After deliberations, it was finalized that marks need not be given for attendance and the present system be continued.

- **Proposed changes in the internal assessment procedure for MBA programme – Amendment to MBA Regulations, 2019 – reg.**

Note on Agenda

Proposed changes in the internal assessment procedure for MBA programme – Amendment to MBA Regulations, 2019 – reg.

Discussion

Dean, School of Management elaborated on the changes proposed in continuous assessment scheme. Instead of 2 CAT's, one MTE (Mid term exam) will be held during a window period of 15 days in the month of October. MTE's will be scheduled and conducted by the School of Management with prior notification to CoE. Though invigilators from other departments are not required, CoE office may appoint squad from other departments if required.

For the second assessment, other components such as case study, assignment, quiz, role play will be conducted. The weightage for Mid Term test is 25% and for other assessment component is 25%.

Resolution

IQAC approved the change in assessment pattern for the theory courses offered by MBA. Necessary amendment shall be presented in the academic council for further approval.

- **Supplementary examination for 'programme completed students' / 'students with less credits' – increasing credit limits – reg.**

Note on Agenda

Conducting supplementary examination for 'programme completed students' / 'students with less credits' to make them complete the program in time / make them eligible to move to higher semester.

Discussion

- Dean, AA explained the importance of increasing the number of courses to be considered for supplementary exams to be increased to 4 course from 2 courses.

- Registrar made a point that supplementary exams can be conducted every year during summer vacations and the gap between the exams can be adequate to facilitate the student to prepare for his/her exam

Resolution

IQAC approved to increase the number of supplementary exams offered from 2 courses to 3 courses irrespective of credits.

- **Credit limit to move to higher semester in Engineering programme – Deliberation on continuance / removal of this clause in the B.Tech. Regulations, R 2017 & R 2013.**

Note on Agenda

Credit limit to move to higher semester in Engineering programme – Deliberation on continuance / removal of this clause in the B.Tech. Regulations, R 2017 & R 2013.

Discussion

The problems encountered due to the credit limit to move to higher semester was discussed in detail.

Resolution

IQAC recommended not to change the credit limit to move to higher semester as per existing regulations requirement. However, the credit limit can be relaxed based on need on a yearly basis.

- **NPTEL: Progress review of Even semester 2018-19 – Planner for ODD semester 2019-20 – reg.**

Note on Agenda

NPTEL: Progress review of Even semester 2018-19 – Planner for ODD semester 2019-20

Discussion

Dean AA stated that the total number of candidates enrolled for the NPTEL local chapter for the period Jan-April 2019 was 1408; out of which 117 candidates appeared for the examinations and 104 cleared with one candidate topping the examination. Among the 1408 candidates, 1076 were students and 332 were faculty members.

Resolution

IQAC noted the progress and appreciated the institution's effort in this regard.

4) Research, Consultancy and Extension

➤ Research activities – Even Semester 2018-19 – Progress review

Note on Agenda

Research activities – Even Semester 2018-19 – Progress review

Discussion

The Institute admitted 16 Ph.D. scholars in July 2019 session. Ten research scholars completed their Ph.D Viva, 19 scholars have submitted their thesis in the last semester and 26 scholars submitted their synopsis. Number of scholars receiving JRF, BSA fellowships is 29, number of scholars receiving government fellowships is 21 and number of approved research supervisors is 131. The Institution also published 107 papers in International journals and 18 papers in national Journals. Dean (Research), presented the salient statistics of research publication during the even semester 2018-19.

Resolution

The research progress in terms of publication in International Journal, National Journal and National Conference during the even semester 2018-19 is noted.

➤ Review of Progress on Sponsored Research & Consultancy – Even semester 2018-19 – reg.

Note on agenda

Review of Progress on Sponsored Research & Consultancy – Even semester 2018-19

Discussion

Consultancy and testing works done by various departments / school; and completed / ongoing funded projects for Government agencies / Industry was presented. Twelve ongoing projects with 6 projects worth twenty three lakh was sanctioned during the period Jan – June 2019. Total number of projects applied is 84.

Resolution

IQAC noted the progress of Institution in terms of sponsored research, and consultancy.

- **Extension activities of societal importance: Progress review on activities of Even semester 2018-19 – Planner for ODD semester 2019-20 - reg.**

Note on agenda

Extension activities of societal importance: Progress review on activities of Even semester 2018-19 – Planner for ODD semester 2019-20

Discussion

The Institution has adopted six villages namely Kattur, Karasangal, Vembudu, Manimangalam, Arungal, and Keerapakkam under Unnath Bharath Abiyan scheme of Govt. of India. Preliminary field visits have been completed in these adopted villages. Various activities were initiated under Jal Shakthi Abyan, Unnath Bharath Abyan and Swatch Bharath.

The members suggested to get the students involved in societal activities and focus their research work on application oriented research of societal importance.

Resolution

It was suggested that enrollment of the students in at least one personality and character development programmes such as NSS, NSO, YRC, Rotaract etc. shall be made mandatory for the award of degree. This shall be followed in spirit from the academic year 2019-20.

- **Quality improvement programmes organized by Faculty training academy and Office of Dean, Research in the Even semester 2018-19 – reg.**

Note on Agenda

Quality improvement programmes organized by Faculty training academy and Office of Dean, Research in the Even semester 2018-19

Discussion

Faculty Training Academy organized / conducted eleven quality improvement programmes emphasized on faculty orientation; course content development; knowledge enhancement; induction programme; soft skill development and

awareness on E-learning and MOOC for the benefit of research scholars, faculty members and non-teaching staff.

Resolution

The IQAC noted the quality improvement programme organized by Faculty Training Academy during the even semester 2018-19.

5) Infrastructure and Learning Resources

- **Infrastructure development: Report on salient activities of Even semester 2018-19 – Proposed activities for the ODD semester 2019-20 – reg.**

Note on Agenda

Infrastructure development: Report on salient activities of Even semester 2018-19 – Proposed activities for the ODD semester 2019-20 – reg.

Discussion

The following infrastructure facilities were created and maintenance work were carried out during the period July – Dec 2018:

1. Establishment of Robo lab in School of Mechanical Science Block 1st floor.
This has been designed to accommodate 36 working station with fully A/C LAB – Amount Rs.13.44 Lakh
2. Commissioning of Eco bin 250Kg capacity work has been completed and working satisfactory – Amount Rs.13.51 Lakh
3. Establishment of Parents waiting hall nearly 1500sq. ft. at Men's Hostel.
Amount Rs.18 Lakh
4. 100% completion of New Architecture block nearly 1,00,000 sq.ft. fully functional – Amount Rs.40 Lakh
5. New Basket Ball ground created - Amount Rs.7 Lakh
6. Construction of Driver's Lounge work - Amount Rs.7 Lakhs
7. Establishment of New Class rooms (18 Nos.) - Amount Rs.72.5 Lakhs
8. Establishment of Research Scholars cabin for Physics & Chemistry Department - Amount Rs.3.6 Lakhs
9. Dish Wash Machine purchased for Men's & Women's Hostel installation work - Amount Rs.17.25 Lakh

10. Construction of Palmyra Cafe near Men's Hostel work - Amount Rs.1.5 Lakh
11. Men's Hostel building & Mosque painting work - Amount Rs.34.50 Lakhs
12. Construction of Two wheeler parking near main Gate - Amount Rs.1.5 Lakh
13. Construction of New Gate near women's Hostel work under progress - Amount Rs.3 Lakh

Upcoming plan for Academic year 2019-2020:

1. Upgradation of Rain Water Harvesting & Treated water to be use for flushing
2. Organic Canteen
3. Construction of new block for class room
4. Construction of new block for Crescent School of Business
5. Face lifting of computer lab
6. Face lifting of hostel for PG students
7. Auditorium renovation work
8. Auditorium Chiller work
9. Medical hall for university
10. Chancellery office

Resolution

After deliberations, the IQAC noted the infrastructure facility created and maintenance work carried out during the even semester 2018-19 and upcoming plan for academic year 2019-2020.

- **Crescent Centre for Innovation in Teaching & Learning – Progress review on activities of Even semester 2018-19 – Planner of ODD semester 2019-20 – reg.**

Note on Agenda

Crescent Centre for Innovation in Teaching & Learning – Progress review on activities of Even semester 2018-19 – Planner of ODD semester 2019-20

Discussion

- Dean,AA briefed about the activities of CITL, where the teaching content could be benefited with appropriate usage of an AV Studio for capturing Lectures, Panel Discussions, Seminars, Recordings and Demonstrations. It

could be further enhanced for developing graphical content that could help the students learn content in a more effective method.

- So far 50 video lectures of our faculty lectures have been recorded at CITL
- CITL has supported video recording of university events like workshops, Guest lectures etc, developing branding videos of the department for admission purpose etc.
- CITL is involved in consultancy activities like developing promo videos for companies etc.,

Resolution

IQAC place on record the efforts taken by CITL for the creation of video lectures on specialized courses by faculty members.

6) Student Support and Progression

- **Crescent Innovation and Incubation Council – Salient activities of Even semester 2018-19 – Proposed activities for ODD semester 2019-20 – reg.**

Note on Agenda

Crescent Innovation and Incubation Council – Salient activities of Even semester 2018-19 – Proposed activities for ODD semester 2019-20

Discussion

A report was presented on the various activities including the events conducted, companies incubated and the funds got from government agencies for the incubates by Crescent Innovation and Incubation Council for the Even semester 2018-19 and the activities planned for the forth coming academic year.

Resolution

IQAC appreciated the efforts taken in by the CIIC for their tremendous efforts in bringing many companies inside the council.

- **Student's disciplinary issues – Strengthening monitoring mechanism – reg.**

Note on Agenda

Student's disciplinary issues – Strengthening monitoring mechanism

Discussion

Dean (students) briefed the various activities to maintain discipline in the campus. To inculcate discipline among the students, proctors are assigned duties to ensure discipline in the campus. Student disciplinary committee is formed with class advisors and proctors. In case of disciplinary issues, explanation is sought from the student. On analyzing the merit of the case, action is decided upon whether the students are to be punished or not with VC's approval. Punishment includes fine, suspension or expulsion from the hostel. In case a fined student is behaving properly for a predetermined time period, the amount is refunded. Dean (students) said that a surveillance system is available in his cabin to monitor the activities of students in the entire campus. Actions are required to correct them and not to punish them. Anti-ragging books are supplied to the students through class advisors.

Resolution

The agenda item is noted.

- **Enrollment of first year students in the personality development programme – SOP – reg.**

Note on Agenda

Enrollment of first year students in the personality development programme – SOP

Discussion

Dean, AA suggested to make enrollment of first year students in personality development programme mandatory.

Resolution

IQAC accepted the proposal.

- **Nomination of department wise coordinators to take care of students with more arrears (existing / programme completed students) – reg.**

Note on Agenda

Nomination of department wise coordinators to take care of students with more arrears (existing / programme completed students)

Discussion

In order to assist and mentor students to complete the programme, department-wise co-ordinators will be nominated. They will check the number of arrears and counsel the students to take up the exams and complete the programme as early as possible.

Resolution

IQAC appreciated the efforts taken towards the weak students to enable them complete the programme

➤ **Strengthening class advisor / faculty advisor mechanism – reg.**

Note on Agenda

Strengthening class advisor / faculty advisor mechanism

Discussion

More responsibilities to be given to class advisors and faculty advisor to encourage students to attend the college, participate in events and conferences and help them to either take up placement, higher studies or become an entrepreneur.

Resolution

After deliberation, the item is noted and appreciated.

➤ **Conduct of peer assisted learning classes during working hours – suggestions – reg.**

Note on Agenda

Conduct of peer assisted learning classes during working hours – suggestions.

Discussion

To encourage and support slow learners, peer assisted learning is to be offered during college hours.

Resolution

After deliberations, the agenda item is noted.

➤ **Placement activities proposed in the academic year 2019-20 – Review of status of placement of students in the AY 2018-19 – reg.**

Note on Agenda

Placement activities proposed in the academic year 2019-20 – Review of status of placement of students in the AY 2018-19.

Discussion

Director, Placement briefed a report on the placement activities for the even semester 2018-2019. The highlights included the campus recruitment process that started in the month of June 2018. As on date 120 companies have visited the campus and 412 of eligible students were placed inspite of awaiting results from few companies. He also discussed the various events conducted to enrich the capabilities of student so that all the eligible students are placed.

Resolution

IQAC recorded the efforts of office of Director (Placement) to bring in 120 companies during the even semester of 2018-2019 for placing 412 eligible students.

7) Governance, Leadership and Management

- **Automation of Administrative process (TCSion): Progress made during the Even semester 2018-19 – reg.**

Note on Agenda

Automation of Administrative process (TCSion): Progress made during the Even semester 2018-19

Discussion

Dean, AA briefed the IQAC members about the various activities made in the various modules of TCS ion automation process.

Resolution

After deliberations, the progress made in the automation of academic and administrative process is noted.

- **Automation activities planned during ODD semester 2019-20 – reg.**

Note on Agenda

The institution has made appreciable progress during February - August 2019 in the automation of academic and administrative activities.

The salient achievements are as follows:

Module	Progress Made
Admission Module	<ul style="list-style-type: none"> • Online application form with payment gateway has integrated • Generate Counselling call letter and admission letters • Students can select the location for CIEAT entrance • Reports on Admission data on daily/weekly basis
Finance Module	<ul style="list-style-type: none"> • Fee groups and Fee categories creation • Student Fee edit, Bulk Fee Edit through excel, Transaction edit also completed • Reports on fees payment on daily/weekly basis
Library Module	<ul style="list-style-type: none"> • Individual Issue, renewal and reservation rules for central library's is completed • Issue period and Library fine management through offline mode is completed • Student book searching and reserving through online system.
Academics & Time Table Module	<ul style="list-style-type: none"> • All the subject details are uploaded • Class timetable creation • Feedback configuration is in progress • Reports related to academics and attendance • Daily SMS to Parents about the absent of their ward • Daily mail to faculty member to mark the attendance
Exam & Grading Module	<ul style="list-style-type: none"> • Mark entry for Both CAT and End semester for Regular subjects • Online payment of Exam Fee and issue of Hall ticket • All procedures related to processing and publication of Regular Results • Revaluation process is in progress
Hostel Module	<ul style="list-style-type: none"> • Bulk Request on rooms and Allocation is completed • Apply for Room Allocation and room sharing are completed • Allotment report per student with the details of resource or service allotted. • Attendance marking in hostel
Transport Module	<ul style="list-style-type: none"> • Integration of transport charges with routes/stoppages
Purchase Module	<ul style="list-style-type: none"> • Initial configuration • Training is given to store staffs and they have started using it • Indent procedure is in progress • Training is given to all Deans/HoD's
HRMS Module	<ul style="list-style-type: none"> • Uploaded the employee's basic details like department and designation. • Leave type created like CL, CPL, ML, VL and LOP with workflow • Biometric device has installed to capturing employees attendance • Separation module-resignation and termination process • Reports on administration activities on daily/weekly basis
Letters Module	<ul style="list-style-type: none"> • All the letter formats and other required certificates are created

The Planning and Monitoring Board may take note of the item.

Resolution : The IQAC noted the progress made by the Institution in this regard.

8) Alumni connect

- **Strengthening alumni connect – Salient activities initiated in the calendar year 2019**

Note on Agenda

Strengthening alumni connect – Salient activities initiated in the calendar year 2019

Discussion

Various activities of office of alumni relations were discussed in detail. Crescent Office of Alumni Relations was established in May 2019, as it was felt necessary to establish an office focused on strengthening Alumni Relations and it is intended to provide a platform for the alumni to interact with the Institute. The Office of Alumni Relations takes care of alumni engagement and maintains a communication channel with the Alumni; keeping them informed of the Institute's achievements and making them a part of the institution's future and not just its past.

Mr. Vipinendran suggested that endowment award and lecture can be given by alumni and to encourage internships, industrial visits, placement through alumni. It was suggested that every month at least 2 meetings i.e., guest lectures are to be conducted.

Resolution

IQAC noted the progress made in the Alumni connect during the even semester 2018-19.

9) Admission

- **Admission strategy for improving lateral entry category - Part time UG / PG programmes – reg.**

Note on Agenda

Admission strategy for improving lateral entry category - Part time UG / PG programmes

Discussion

Director, Admissions elaborated the various activities initiated to improve the admission intake in the academic year 2020-21. The various activities are:


- Implementation of a comprehensive branding and marketing strategy
- Implementation of highly effective online and social media marketing strategy
- Organizing Open Day for school students
- Organizing Leadership training programmes for School Principals
- Establishment of Local Admission Centres in selected cities across the Nation
- Participating in Educational Expo in India and Abroad
- Improving student diversity by campaigning in northern states
- Organizing career guidance programme for school students
- Utilizing the support of Alumni Association for admission campaign
- Arranging for media coverage (both TV and Newspaper) of important events and students achievements.

Resolution

The agenda item is noted

10) Any other item

Registrar thanked the members of IQAC for their august presence and valuable suggestions.


Dr. U. Sabura Banu 19/8/19
Co-ordinator, IQAC


19.8.19
Registrar

Annexure 4: Parent Teachers Meeting Analysis Report



B.S. Abdur Rahman
Crescent
Institute of Science & Technology
Deemed to be University u/s 3 of the UGC Act, 1956

SCHOOL OF INFRASTRUCTURE DEPARTMENT OF CIVIL ENGINEERING

Ref. No.:432 / DEAN-SOI/09/19

Date: 30.09.2019

PARENTS – TEACHER MEETING : CONSOLIDATE FEEDBACK REPORT

The parent teacher meeting held on 28.09.2019 in the Civil Engineering department seminar hall. The parents were informed about the meeting through SMS by TCSion and the parents of students having less attendance and lesser marks were contacted personally by Class advisors and Faculty advisors.

The following are the points appreciated by the parents:

- The parents appreciated the process of sending text messages regarding attendance, marks etc. ✓
- Very good security arrangement and medical facilities are being provided in the campus
- The meeting was very much useful to learn about the student performance and attendance
- Parents who did not attend the meeting instructed to come on any other working day is also appreciated by the parents.

Points for Improvement suggested by parents

- To give more internship and industry oriented training for students ✓
- To improve the quality of food in the canteen. ✓
- Avoid cell phones inside the classroom.
- To improve the Placement training ✓
- To encourage students to learn from books available in the library ✓

J. P. Lomi
05/11/19

DEAN (ACADEMIC AFFAIRS)
B.S. Abdur Rahman Crescent Institute
of Science & Technology
Vandalur, Chennai - 600 048, India

Vasanthi P
30/9/19

Dr.P.VASANTHI

DEAN/SOI
DEAN
School of Infrastructure
B.S. Abdur Rahman
Crescent
Institute of Science & Technology
Vandalur, Chennai-600 048.



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Parents Feedback

Name of the Parent*

ABDUL HAI

Address*

5/756, S V Koil street, Otteri, Vandalur, Chennai

Email ID*

hainadwi@crescent.education

Mobile No.*

9952036437

Name of the Student*

A. ABUL HASAN ALI

RRN*

180111601003

Program / Branch of Study*

Arabic and Islamic Studies

Year*

II

**Cleanliness and ambience in
campus**

Very Good

Quality of teaching

Very Good

Examination & evaluation system

Very Good

Laboratory facilities

Very Good

**Value added courses offered in the
department/School**

Very Good

Organizing guest lectures

Excellent

Field trip arrangements

Very Good

**Industry Internship (Industry
Training)**

Excellent

**Student amenities (Library, Wi-
Fi/Internet, etc)**

Excellent

Sports & Cultural activities

Excellent

**Effectiveness of training for
placement**

Excellent

Canteen facilities

Very Good

Transport facility

Very Good



Medical facility

Good



(a) Please rate the attainment of programme outcomes (Has the objective of studying the chosen programme fulfilled)

Very Good



(b) Please rate the attainment of course outcomes (Have the courses helped in gaining relevant knowledge)

Excellent



Security arrangements

Very Good



Hostel (Parents of Hostellers only)

(a) Accommodation & Amenities

Select



(b) Food

Select



(c) Security arrangements

Select



Your opinion about Curriculum
(courses in the programme) and
suggestions for new courses to be
introduced

Any other suggestions

DFTK

DFTK

Submit

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Parents Feedback

Name of the Parent*

THAMIMUL ANSARI

Address*

DUBAI

Email ID*

okstansari@yahoo.com

Mobile No.*

00971506164587

Name of the Student*

MOHAMMED RIHAB IBRAHIM

RRN*

190071601121

Program / Branch of Study*

computer

Year*

2019

Cleanliness and ambience in campus

Very Good

Quality of teaching

Very Good

Examination & evaluation system

Good

Laboratory facilities

Good

Value added courses offered in the department/School

Select

Organizing guest lectures

Select

Field trip arrangements

Very Good

Industry Internship (Industry Training)

Satisfactory

Student amenities (Library, Wi-Fi/Internet, etc)

Select

Sports & Cultural activities

Select

Effectiveness of training for placement

Good

Canteen facilities

Very Good

Transport facility

Select ▼

Medical facility

Select ▼

(a) Please rate the attainment of programme outcomes (Has the objective of studying the chosen programme fulfilled)

Good ▼

(b) Please rate the attainment of course outcomes (Have the courses helped in gaining relevant knowledge)

Good ▼

Security arrangements

Good ▼

Hostel (Parents of Hostellers only)

(a) Accommodation & Amenities

Good ▼

(b) Food

Good ▼

(c) Security arrangements

Good ▼

Your opinion about Curriculum (courses in the programme) and suggestions for new courses to be introduced

PLEASE POST THE PRACTICAL EXAM SCHEDULE IN PORTAL.

Any other suggestions

JBDZ

JBDZ

Submit

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