# ST. FRANCIS INSTITUTE OF TECHNOLOGY
## (ENGINEERING COLLEGE)

*(Roman Catholic Christian Minority Educational Institute)*
*(Approved by AICTE & Govt. of Maharashtra with permanent Affiliation to University of Mumbai)*

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Ref:

Date :

September 29, 2018

Minutes of the **Seventh Meeting of the Academic Advisory Council** (First meeting for the academic year 2018-2019) of St. Francis Institute of Technology (Engineering College) held on Saturday, the **29th September 2018.**

The Seventh meeting of the Academic Advisory Council (First meeting for the academic year 2018-2019) of St. Francis Institute of Technology (Engineering College) was held on Saturday, the 29th of September 2018 at 9.15 a.m. in the Board Room of the Institute.

The following members and special invitees were present:

1. Bro. Jose Thuruthiyil     - Director SFIT, Member
2. Bro. Vijaykumar Pereira     – Dy. Director SFIT, Member
3. Dr. Sincy George     - Principal & Chairperson of AAC
4. Dr. Kevin Noronha     - Dean Academics (UG) & Member-Secretary
5. Mr. Albert D'Souza     - Entrepreneur, Member
6. Dr. S.N. Merchant     - Professor -IITB, Member
7. Dr. S. Biswas     - Professor – IITB, Member
8. Mr. Lester Fernandes     - Entrepreneur, Member
9. Dr. Deepak Jayaswal     - Dean- M.E. program,  Member
10. Dr. C. Hariprasad     - Dean- Student Affairs, Member
11. Dr. Kavita Sonawane     - HOD - CMPN, Member
12. Dr. Gautam Shah     - HOD - EXTC, Member
13. Dr. Joanne Gomes     - HOD - INFT, Member
14. Dr. Poonam Hemnani     - FE Co-coordinator
15. Mr. Sunil Pansare     - HOD – MECH, Member
16. Dr. Uday Pandit Khot     - R&D Coordinator, Special Invitee
17. Mr. Wilson Pinto     - Head Training & Placement, Special Invitee
18. Mr. Francis D'Souza     - Office Manager

Bro. Jose Thuruthiyil, Director, after reciting the college anthem and a short prayer, welcomed all the members, especially Dr. Merchant, Dr. Biswas, Mr. Albert D'Souza and Mr. Lester Fernades for taking time off in their busy schedule to give time to SFIT for its growth and academic excellence.

Following this, Dr. Kevin Noronha, Member-Secretary proceeded with the Agenda which was already circulated to the members in advance.

1

**Item 1: To Read and approve of the minutes of the Academic Advisory Committee meeting held on 16th September 2017, for the academic year 2017-18**.

The draft minutes were circulated on 23-10-2017 to all the members, inviting amendments, comments, if any to be made in the draft minutes. There was a suggestion mailed by Dr. Uday Pandit Khot to include the details of grants received and research projects completed successfully during A.Y. 2016-2017. The same was incorporated in the revised Draft Minutes, circulated to the members along with the current agenda and notes. As there were no any other corrections / suggestions from other members, the draft minutes were deemed as confirmed.

**Item 2: To report on action taken on decisions recorded in the meeting of the AAC held on 18th March 2017**

| Sr. No. | Particulars / Activity | Action Taken | Open / Closed |
|---|---|---|---|
| | **ITEM 2:** | | |
| | a) Mr. Wilson Pinto, Head T&P mentioned that the best projects can be uploaded on the college website also, if possible. | Best projects are identified and will be uploaded in new website | OPEN |
| | **ITEM 4: Brief report on the execution of UG academic programs** | | |
| | a) Mr. Albert D'Souza suggested that tracing of the academic performance of students with their result of SSC, HSC, FE, SE, TE, BE will give a lot of inputs to the HODs to improve academic performance. | Implemented and available in ERP | Closed |
| | He also mentioned that it is better to report the result to the AAC before Re-evaluation and after Re-evaluation. | Results are shown after re-evaluation. However, Re-evaluation results of F.E. are awaited. | Open |
| | b) Mr. Albert D'Souza further mentioned that the EXAM software developed by St. John College of Engineering is updated now and SFIT could go for the updated version. | The exam department of SFIT has started using the updated software developed by St. John College of Engineering | CLOSED |

| | | |
|---|---|---|
| c) Dr. Biswas observed that the no. of distinctions and 1st Class in some departments has come down. Also, if there are any errors in the reporting, they should be recorded. | Discussed in Item 4 | Closed |

**ITEM 6:**

| | | |
|---|---|---|
| a) Dr. Merchant mentioned that at least one course work should be in IIT. | One PhD course work as suggested by guide is made compulsory for new batch | Closed |

**ITEM 7:**

| | | |
|---|---|---|
| a) The committee members suggested exploring the possibility of association/ partnership with IBM and also with Texas Instruments (TI). | Texas instrument is not providing any hardware or software freely as before. Therefore it was decided to explore other options | Open |
| b) IBM gives a lot of software free of cost and TI provides analogue kits and instruments. It was agreed that the Principal, Dr. Sincy George and Mr. Wilson Pinto, will work towards this. | IBM software is very expensive, therefore it was decided to explore other options | Open |

**ITEM 11:**

| | | |
|---|---|---|
| a) Mr. Albert D'Souza suggested that a proper mentoring procedure to be followed which should include confidential reporting, gap findings and analysis, issues to be addressed such as, stress and anxiety related issues, relationship issues, peer issues etc. The confidential reporting may be done by the Mentors to the HOD/Principal/Director as the case may be. | A new counsellor has been appointed who will look after the said matters | Closed |

**ITEM 13:**

| | | | |
|---|---|---|---|
| a) | Mr. Albert D'Souza suggested that the ME programme should be redesigned by tie up with the industry. Industry to give projects for ME students and place them at a higher level salary than the BE graduates. | EXTC students are working at SAMEER, Powai for their ME Dissertation Projects. CMPN students had also approached few hospitals with regard to their ME Dissertation projects. | Closed |
| | | Projects in industry still to be explored | Open |
| b) | Mr. Wilson Pinto, Head – Training & Placement suggested for tie up with a US university for MS program under the Twining concept, which is permitted by AICTE. The ME degree will be awarded by the foreign University. | As a first step SFIT has signed MOU with Harrisburg university for internship programme for our UG students. ME programme will also be explored. | Closed |
| c) | It was suggested to conduct remedial classes during vacation, especially for Diploma students who are admitted directly to Second Year. | Remedial classes are arranged during Saturdays, Class test time and Mid-term break | Closed |
| d) | One of the suggestions from Mr. Albert D'Souza was to go also for NAAC accreditation which will give ample scope for applying for UGC grant. | Our NBA accreditation will expire in July 2019 for CMPN and EXTC departments and INFT it expired in July 2018. Thus focus will be again getting Re-accredited by NBA | OPEN |

*Mr. Albert D'Souza again stressed that along with NBA, we should also go for NAAC accreditation, which will be in the interest of the institute to get wider grants. Since, we already have NBA, it will be easy for SFIT to get the NAAC accreditation.*

## Item 3: To report on the status of NBA Accreditation

The validity period of the NBA Accreditation for the Information Technology department has expired on 30/06/2018 and for the other 2 departments namely Computer Engineering and Electronics & Telecommunication Engineering, it will expire on 30/06/2019. As decided in the HODs meeting with the Deans, Principal and the Director, application for Re-Accreditation by all the 3 departments will be submitted together. It is proposed that the online submission of Pre-qualifier and Self - Assessment Report will be done by January 2019.

**ITEM 4: Brief report on the execution of UG academic programs (FE, INFT, EXTC, CMPN) (Including report on results, professional activities, important milestone achieved etc.).**

**EXTC: -** Dr. Gautam Shah – HOD, presented the above report for the EXTC dept. as follows:

a) **Result analysis**

### SE (SEM IV) RESULT ANALYSIS – MAY 2018

| SEM IV | May 2016 | May 2017 | May 2018 |
|---|---|---|---|
| No. Of Students Appeared | 152 | 155 | 142 |
| No. Of Students Passed | 116 | 119 | 121 |
| No. Of Students Failed | 36 (23.68%) | 36 (23.22%) | 21 (14.78%) |
| Above 7.75 (70%) | 28 (18.42%) | 45 (29.03%) | 61 (42.95%) |
| Above 6.75 (60%) | 35 (23.02%) | 36 (23.22%) | 37 (26.05%) |
| Above 5.75 (50%) | 47 (30.92%) | 27 (17.41%) | 19 (13.38%) |

### TE (SEM VI) RESULT ANALYSIS – MAY 2018

| SEM VI | May 2016 | May 2017 | May 2018 |
|---|---|---|---|
| No. Of Students Appeared | 149 | 155 | 146 |
| No. Of Students Passed | 122 | 112 | 134 |
| No. Of Students Failed | 27 (18.18%) | 43 (27.77%) | 12 (8.21%) |
| Above 7.75 (70%) | 19 (12.75%) | 18 (11.61%) | 37 (25.34%) |
| Above 6.75 (60%) | 55 (36.91%) | 34 (21.93%) | 45 (30.82%) |
| Above 5.75 (50%) | 37 (24.83%) | 45 (29.03%) | 38 (26.02%) |

### BE (SEM VIII) RESULT ANALYSIS – MAY 2018

| SEM VIII | May 2016 | May 2017 | May 2018 |
|---|---|---|---|
| No. Of Students Appeared | 145 | 155 | 147 |
| No. Of Students Passed | 137 | 147 | 147 |
| No. Of Students Failed | 8 (5.51%) | 8 (5.16%) | 0 |
| PERCENTAGE | 94.48% | 94.83% | 100% |
| Above 7.75 (70%) | 52 (35.86%) | 57 (36.77%) | 96 (65.30%) |
| Above 6.75 (60%) | 64 (44.13%) | 86 (55.48%) | 49 (33.56%) |
| Above 5.75 (50%) | 18 (12.41%) | 4 (2.58%) | 2 (1.36%) |

**Analysis and Remedial Action Plan:** To improve third year result one extra lecture per week for the subject DTSP and EME is added in the timetable which will result in more problem solving and increase interaction with students.

5

**b) Activities organized by the EXTC department for students.**

A detailed and exhaustive report on departmental activities conducted for students and staff was given to the AAC members along with Agenda/Notes. A brief summary is reproduced below:

Seminars – 4
Industrial visit – 1

**c) Activities organized by the EXTC department for staff**
STTPs – 1
Seminar – 1

**d) TEQIP/STTPs attended by EXTC staff –**
No of TEQIP/STTPs – 2
No of faculty members attended – 5

**e) Important achievements by EXTC staff**
Completed PhD – 1
No of publications – 13
No of faculty published papers - 9

**f) NPTEL or other courses completed by the EXTC faculty member – 1** (Topper in this course)

**g) Important achievements by EXTC students:**

Project show case competition at state level in Dipex – 4 SE students participated
IMC Inclusive Innovation Award – one SE student
First Prize in Pragati Competition in SFIT – 2 students

**CMPN Department** – Dr. Kavita Sonawane – HOD of CMPN department presented the report for the CMPN department as follows:-

**a) Result analysis**

### SE (SEM IV) RESULT ANALYSIS – MAY 2018

| SEM IV (CMPN) | May-16 | May-17 | May-18 |
|---|---|---|---|
| NO. OF STUDENTS APPEARED | 154 | 152 | 150 |
| NO. OF STUDENTS PASSED | 111 | 135 | 129 |
| NO. OF STUDENTS FAILED | 43 (28%) | 17 ( 11% ) | 20 ( 13.33% ) |
| PASS PERCENTAGE | 72.08% | 88.82% | 86.67% |
| ABOVE 7.75(70%) | 45 (29%) | 51 (34%) | 55 ( 36.67% ) |
| ABOVE 6.75 (60%) | 20 (13%) | 39 (26%) | 42 (28% ) |
| ABOVE 5.75(50%) | 31 (20%) | 31 (20%) | 26 ( 17.34% ) |

**Analysis and Remedial Action Plan:** The pass percentage when compared to the previous year is decreased by 2%. It is also to be noted that the number of students securing above 70% has also increased by 4%. This is the first batch of revised syllabus.

Students having previous KTs have to be taken care for the subjects they find difficult. Along with this extra practice sessions/ Assignments can be conducted as per subjects for students falling in the range of 50% to 60% for further improvement of their performance

## TE (SEM VI) RESULT ANALYSIS – MAY 2018

| SEM VI | May 2016 | May 2017 | May 2018 |
|---|---|---|---|
| | 155 | 146 | 149 |
| NO. OF STUDENTS PASSED | 148 | 137 | 144 |
| NO. OF STUDENTS FAILED | 7 (5%) | 9 (6%) | 5 (3.36%) |
| PERCENTAGE | 95.48% | 93.84% | 96.65% |
| ABOVE 7.75(70%) | 70 (45%) | 84 (58%) | 92 (61.75%) |
| ABOVE 6.75 (60%) | 49 (32%) | 36 (25%) | 42 (28.19%) |
| ABOVE 5.75(50%) | 26 (17%) | 15 (10%) | 9 (6.04%) |

**Analysis and Remedial Action Plan:** The pass percentage when compared to the previous years has marginally increased. It is also to be noted that the number of students securing above 70% has also increased by 8%. Subjects in Sem VI were core subjects and mostly numerical and logical. If the students have captured the logics right the students would be able to score well.

Remedial Action Plan: Overall results are good. Students who have scored between 50 to 60% have to be given more concentration to ensure the their improvement and eligibility for further requirements

## BE (SEM VIII) RESULT ANALYSIS – MAY 2018

| SEM VIII | May 2016 | May 2017 | May 2018 |
|---|---|---|---|
| | 154 | 149 | 147 |
| NO. OF STUDENTS PASSED | 151 | 146 | 147 |
| NO. OF STUDENTS FAILED | 3 (2%) | 3( 2%) | 0 (0% ) |
| PASS PERCENTAGE | 98.05% | 97.98% | 100% |
| ABOVE 7.75(70%) | 90 (58%) | 119 (80%) | 121 ( 81.63% ) |
| ABOVE 6.75 (60% | 49 (32%) | 25 (17%) | 26 ( 14.96% ) |
| ABOVE 5.75(50%) | 12 (8%) | 2 (1%) | 0 (0% ) |

**Analysis and Remedial Action Plan:** The pass percentage when compared to the previous years has increased and it is **100%**. It is also to be noted that the number of students securing above 70% has increased marginally. If the students are trained to study from standard reference books, they will be able to score well. Core subjects were handled by senior faculties who had adequate experience in making the concepts clear with students.

### b) Activities organized by the CPMN department for students.

A detailed and exhaustive report on departmental activities conducted for students and staff was given to the AAC members along with Agenda/Notes. A brief summary is reproduced below:

Seminars – 1
Workshops – 1
Industrial visit – 2
Project competition (Intercollegiate) - 1

### c) Activities organized by the CMPN department for staff

Seminars/workshops - 4

### d) TEQIP/STTPs attended by staff (July 17 – Jun 18)

No of TEQIP/STTPs attended – 9
No of faculty members participated – 8

### e) Important achievements by staff (PhD completed, awards received, resource person, publications etc.)

Best paper award at ICICC Springer Conference – one faculty member
University minor grant received of Rs. 30000/- - one faculty member

### f) NPTEL or other courses completed by the staff (2017-18)

No of courses attended –9
No of faculty members – 8

### g) Important achievements by students( prizes won , represented SFIT at national, state level competitions)

Quiz competition related to C programming among top 20/30 – 4 SE students
COA NPTEL certification ( Elite Tag ) – 1 SE student
Final Round - Rajasthan Digifest Hackthon 5.0 – 1 SE student
Oracle Certified Associate Java SE 8 Programmer – 1 SE student

### h) Sports Achievements:
Throwball 2nd prize in SFIT – 1 BE student

**INFT -** Dr. Joanne Gomes – HOD of INFT department presented the report for the INFT department as follows:-

### a. Result analysis

#### SE (SEM IV) RESULT ANALYSIS – MAY 2018

| SEM IV | May 2016 | May 2017 | May 2018 |
|---|---|---|---|
| No. Of Students Appeared | 151 | 152 | 149 |
| No. Of Students Passed | 121 | 138 | 122 |
| No. Of Students Failed | 30 (19.87%) | 14 (9.21%) | 27 (18.12%) |
| PASS PERCENTAGE | 80.13% | 90.79% | 81.88% |
| Above 7.75 (70%) | 42 (27.81%) | 51 (33.55%) | 32 (21.48%) |
| Above 6.75 (60%) | 46 (30.46%) | 41 (26.97%) | 42 (28.19%) |
| Above 5.75 (50%) | 24 (15.89%) | 35 (23.02%) | 39 (26.17%) |

#### TE (SEM VI) RESULT ANALYSIS – MAY 2018

| SEM VI | May 2016 | May 2017 | May 2018 |
|---|---|---|---|
| No. Of Students Appeared | 152 | 150 | 158 |
| No. Of Students Passed | 146 | 147 | 148 |
| No. Of Students Failed | 6 (3.95%) | 3 (2%) | 10 (6.33%) |
| PASS PERCENTAGE | 96.05% | 98% | 93.67% |
| Above 7.75 (70%) | 40 (26.32%) | 72 (48%) | 57 (36.08%) |
| Above 6.75 (60%) | 60 (39.47%) | 46 (30.66%) | 53 (33.54%) |
| Above 5.75 (50%) | 32 (21.05%) | 17 (11.33%) | 30 (18.99%) |

#### BE (SEM VIII) RESULT ANALYSIS – MAY 2018

| SEM VIII | May 2016 | May 2017 | May 2018 |
|---|---|---|---|
| No. Of Students Appeared | 144 | 146 | 152 |
| No. Of Students Passed | 142 | 146 | 151 |
| No. Of Students Failed | 02 (1.39%) | 00 | 01 (0.66%) |
| PERCENTAGE | 98.61% | 100% | 99.34% |
| Above 7.75 (70%) | 89 (61.81%) | 98 (67.12%) | 94 (61.84%) |
| Above 6.75 (60%) | 42 (29.17%) | 42 (28.76%) | 42 (27.63%) |
| Above 5.75 (50%) | 9 (6.25%) | 4 (2.74%) | 15 (9.87%) |

**Analysis and Remedial Action Plan:**

a. In second year result, overall passing percentage has been reduced due to failure of many students in few subjects such as **Automata Theory** (17), Computer Network (10), COA (7) and Maths-III (7). The reason is there was change in the syllabus for second year and some of the contents in the subjects were new.

b. The remedial Sessions will be taken for the students to revise the new concepts.

c. Third year result also has been declined due to failure of 8 students in the subject of Advance Internet Technology. The pattern of exam for this subject involves more of programming/coding where students get confused. The remedial Sessions are planned for these students.

d. In Final year only one student failed in one subject Computer Simulation and Modeling.

**b. Activities organized by the INFT department for students. –**

A detailed and exhaustive report on departmental activities conducted for students and staff was given to the AAC members along with Agenda/Notes. A brief summary is reproduced below:

SEMINARS/WORKSHOPS – 16
Industrial visits – 2
Project competition – 1
Colloquium -1 for all SE/TE/BE students

**c. Activities organized by the INFT department for faculty members**

STTPs/Seminars – 5

**d. TEQIP/STTPs attended by INFT staff**

No of TEQIP/STTPs – 14
No of faculty members attended – 16

**e. Important achievements by INFT staff (PhD completed, awards received, resource person, publications etc.)**

Completed Doctorate – 1
Paper publications – 10
No of faculty involved - 7

**f. NPTEL or other courses completed by the INFT Faculty members (Jan- April 2018)**

No of courses - 4
No of faculty - 4

**g. Important achievements by INFT students**

Completed Oracle Certification for JAVA SE8 – 4 TE students
2nd Prize in ULECTRO'18 AVISHKAR project, April 2018, NMIMS – 3 TE students
Completed Internship at Harrisburg University , Pennsylvania for summer in June 2018 – 2 TE students
Seed Maha IT Idol competition – received medal of merit for qualifying 2nd round – 1 TE student.

**FE – Dr. Poonam Hemnani – FE Coordinator presented the report on FE activities, achievements etc as follows:-**

### FE (SEM II) RESULT ANALYSIS – MAY 2018

| Grade/Year | Total | Distinction | First Class | Pass class | Fail | Passing |
|---|---|---|---|---|---|---|
| May 2016 | 371 | 108 | 101 | 49 | 113 | 69.54 |
| May 2017 | 378 | 113 | 87 | 56 | 112 | 77.45 |
| May 2018 | 376 | * | | | 64 | 82.98 |
| | | | | | | |

- Details not available as official result (after reval) is not received from MU.

### FE (SEM I) RESULT ANALYSIS – DEC 2018

| Grade/Year | Total | Distinction | First Class | Pass class | Fail | Passing |
|---|---|---|---|---|---|---|
| Dec 2015 | 377 | 108 | 101 | 49 | 113 | 74.54 |
| Dec 2016 | 382 | 104 | 84 | 79 | 115 | 69.84 |
| Dec 2017 | 380 | 106 | 88 | 107 | 79 | 79.21 |

### Academic Achievements

| Sr. No. | Student's Name | Achievement | Class/Sem/Div | Remark |
|---|---|---|---|---|
| 1 | Acharya Manas | 9.59 | Sem II | College topper |
| 2 | More Prathiksha | 9.59 | Sem II | College topper |

### Analysis and Remedial Action Plan:

Result for all the subjects is improved. Prelims examinations and remedial sessions have helped to improve the results. Single KT students count was more.

**b) Activities organized by the department for students.**

Industrial visit to Silvasa – 302 FE students participated

Project competition - PRAYAS-ISTE approved Project Exhibition 2018 – 11 groups (31 students)/Presentation – 7 groups (19 students)0

**c) Important achievements by staff (PhD completed, awards received, resource person, publications etc)**

Paper presentation – 2
No of faculty members - 2

**d) Activities organized by the department for staff**

STTP – Faculty Induction Programme (FIP) for the new faculty members.

**e) NPTEL or other courses completed by the staff**
No of courses – 5
No of faculty members completed - 4

# ITEM 5: To report on PG programme : Progress and milestones.

Dean M.E. program, Dr. Deepak Jayaswal briefed the AAC members on the progress and milestones of PG program.

## Progress of the M.E Dissertation (Computer Engineering)

| Batch | Number of student | Status | Academic Performance | Placement |
|---|---|---|---|---|
| 2012-14 | 17 | Completed ME:17 | Distinction: 15￼ First class: 02 | Academics:15 Industry:02 Higher studies: |
| 2013-15 | 18 | Completed ME:18 | Distinction: 14 First class: 04 | Academics:14 Industry:02 Higher studies:01 |
| 2014-16 | 15 | Completed ME:13 | Distinction: 10 First class: 03 | Academics:06 Industry: 05 |
| 2015-17 | 10 (9) | Completed ME: 04 Exam awaited: 04 In process:01 | Distinction: 04 First class: | Academics:02 |
| 2016-18 | 00 | - | - | - |
| 2017-19 | 02 | In process | | |
| 2018-20 | 04 | | | |

## Progress of the M.E Dissertation (Electronics and Telecommunication Engineering)

| Batch | Number of student | Status | Academic Performance | Placement |
|---|---|---|---|---|
| 2012-14 | 10 | 10 | Distinction: 08 First class: 02 | Academics: 06 Industry: 02 Higher studies:02 |
| 2013-15 | 16 | 15 | Distinction: 09 First class: 06 | Academics: 12 Industry: 03 |
| 2014-16 | 18 | 14 | Distinction: 08 First class: 06 Writing Thesis:02 | Academics: 07 Industry: 02 Higher studies: 01 |
| 2015-17 | 11 | 06 | Detained:01 Not reporting:02 In process: 02 | Academics: 01 Industry: 02 |
| 2016-18 | 09 | 06 | Distinction: 06 Exam awaited:01 Writing Thesis:01 In progress: 01 | Academics: 01 Industry: 01 Research centre:01 |
| 2017-19 | 01 | In process | - | - |
| 2018-20 | 02 | | | |

## Progress and Milestones

- ME EXTC Results 2016-18 batch
  - SEM-I = 100%
  - SEM-II = 100%

- ME EXTC Results 2017-19 batch
  - SEM-I = 100%
  - SEM-II = 100%

- ME COMP Results 2017-19 batch
  - SEM-I = 100%
  - SEM-II = 100%

- **Students Achievement**

    a. Ms. Alva Michelle (2017-19 batch) of ME computer engineering program secured 1st position in Mumbai university.

    b. Ms. Valentina of 2016-18 EXTC batch won best oral presentation award for paper titled "Chrominance based splicing image forgery localization with relevance vector machine" at SCEECS 2018, Bhopal conference IEEE sponsored.

    c. Ms. Aparna Shinde of 2015-17 EXTC batch won best paper award for paper titled " image object saliency detection using center surround contrast" at ICIIP 2017 conference IEEE sponsored

    d. Patil Bhavika of fourth batch EXTC won best paper award for paper titled "Improved Image Splicing Forgery Localisation with First Digits and Markov Model Features" at IEEE International Conference on Intelligent Techniques in Control, Optimisation and Signal Processing (INCOS'17) at Kalasalingam University, Tamilnadu, India.

    e. Lopes Renia Melvin of second batch EXTC won best paper award for paper titled "Evaluation of Music Features for PUK Kernel Based Genre Classification" at Conference ICACTA 2015, Publisher Elsevier Procedia Computer Science.

    f. Rakesh Saroj of first batch EXTC was awarded second prize in the student category in IEEE Computational Intelligence Workshop on "PAPR Reduction using an efficient Conventional Hybrid SLM-PTS Techniques" organised by Indian Institute of Information Technology. Allahabad, India during Oct 13-15, 2014.

    g. Mr. Newton, Mr. Niraj and Ms. Minal of EXTC (2016-18 batch) are with Society for Applied Microwave Electronics Engineering & Research SAMEER, IIT Bombay campus for their dissertation work.

## ITEM 6: To report on Ph.D. Programme (Progress of the students, new recognized guides and report on the admissions in the current academic year)

Dr. Sincy George, Principal, briefed about the PhD program as follows:

    a. The Ph.D. selection interviews for the admission in the academic year 2018 – 19 (I) is scheduled on 24/09/2018.

    b. The progress of the existing scholars – Annex 2

**Item 7: To report the progress on various initiatives for promoting industry, institute interaction and academic up gradation.**

Currently this project of IOT Lab is handled by HOD-INFT: Dr. Joanne Gomes and three more faculty members Dr. Prachi Raut, Ms Grinal Tuscano and Ms Priyanka Fernandes.

The current status of this project is as follows:

1. Most of the components required for the IOT lab have been purchased.

2. Three faculty members from the Dept. of INFT (Ms. Prachi Raut, Ms Grinal Tuscano and Ms. Priyanka Gonsalves) have been appointed to take up the overall responsibilities related to this lab. These faculty members have attended the subject related training by attending Short term Training Program. Currently IOT related projects of Third year students are handled by these faculties.

3. Lab No. B-308 in the new SFIT building 'B' wing that was allotted for developing the proposed IOT lab is almost ready.

**Item 8: To report on the progress on promoting entrepreneurship education and development in the institute (Include report on NEN, Pragathi, RAD Lab, E Cell day and any other activities)**

The following activities on the above topics were reported to the AAC by Dr. Sincey George, Principal.

**E cell activities**

| Sr. No | Name of the event | Date | No of students participated | Remarks if any |
|--------|-------------------|------|----------------------------|----------------|
| 1. | Entrepreneurship day (E-day) | 13-01-2018 | 100 | |
| 2. | Android workshop | 27-01-2018 | 25 | |
| 3. | Pragati- Project Competition | 16-03-2018 17-03-2018 | 150 | |
| 4. | AIC-NMIMS Awareness Talk | 21-07-2018 | 30 | |

**RAD Lab activities:**

| Sr. No | Name of the project | No of students | Teacher in charge | Whether completed (yes/no) |
|--------|---------------------|----------------|-------------------|----------------------------|
| 1. | Depth estimation using Monocular cues | 4 | Mr. Sushant Shetty / Mr. Jerin Thankappan | Yes |
| 2. | AASRA | 5 | Mr. Jaykumar Patel / Mr. Jerin Thankappan | No |
| 3. | Robotic Arm | 4 | Mr. Ramjee Yadav / Mr. Vipin Kallingal | No |
| 4. | Depth estimation using Monocular cues | 4 | Mr. Sushant Shetty / Mr. Jerin Thankappan | Yes |

**PM-YUVA** (Pradhan Mantri Yuva Udyamita Vikas Abhiyan) **Yojana –**

The following activities were reported

## Training course organized by E- Cell under PM- YUVA Yojana for SE SFIT students

Training on Entrepreneurship, course 100 was conducted from 14th to 21st June 2018 by two FE trained faculty members for the SE students. Total 12 students (6 EXTC + 6 CMPN) participated in this course. The purpose of PM-YUVA YOJANA is to create conducive ecosystem for Entrepreneurship Development through entrepreneurship education and training programmes.

The objectives of this course were:
1. To give an orientation on entrepreneurship
2. To motivate and promote Entrepreneurs from SFIT
3. Connect entrepreneurs to networks of ideas, mentors and funding

Summary of the programme:

The progamme focused on Entrepreneurship Concepts as well as Pedagogy and Design. It was activity based learning thus participants learned by "doing".

The course covered nine lessons:
1. Let's Get Started
2. Explore E-cells on Campus
3. Listen to Some Success Stories
4. Characteristics of a Successful Entrepreneur
5. Communicate Effectively
6. Design Thinking for Customer Delight
7. Sales Skills to Become an Effective Entrepreneur
8. Managing Risks and Learning from Failures
9. Are You Ready to Be an Entrepreneur?

Each lesson had interesting content and appropriate videos, quiz and activity. The students actively participated in the activities especially in the Fifty Rupees activity where they had to exhibit their skills and knowledge of entrepreneurship. Each lesson had a quiz which the students had to complete and on the last day on the completion of the course there was an online assessment in which nine students participated and successfully completed the final quiz and acquired grades varying from 62%- 86%. It was an enriching experience for all the participants.

**Future Plan:** We would like to encourage more participants to attend this course and conduct it on a regular basis, two days in a week – 5 to 6 pm.

## Training Course conducted for MPV Valia College of Commerce, Borivli West

Same training course on Entrepreneurship, course 100 was conducted by the same trained FE faculty members for the students of MPV Valia College of Commerce, Borivli West from 30th July to 8th October 2018 (1.00 p.m. to 3.00 p.m.). Total 22 students participated in this course.

Two more courses namely SFIT NSS and SFHM are also being run.

# Item 9: To report on the Progress on Research and Development projects undertaken.

A detailed report on the Progress on Research and Development projects undertaken in SFIT was given in the Agenda/Notes to the AAC members.

A brief summary of the same is given below:

## A. Minor Research Grant executed during AY: 2017-18

EXTC
Principal Investigator -3 faculty members
No of projects – 3
Budget – Rs. 88,000/-

CMPN
Principal Investigator -1 faculty member
No of projects – 1
Budget – Rs. 30,000/-

INFT
Principal Investigator -2 faculty members
No of projects – 2
Budget – Rs. 90,000/-

Total budget : **Rs. 2,08,000**

## B. Department research activity / New Proposals

Details were given to the AAC members in the Agenda/Notes.
A summary of the same is as given below:

**CMPN department**

Ongoing
Principal Investigator -3 faculty members
No of projects – 3 (6 months to 1 year duration)
No of students involved - 2
Status of completion – 90% - 95%

New proposals
Principal Investigator -3 faculty members
No of projects – 3 (5 to 6mths duration)

**EXTC department**

Ongoing
Principal Investigator -2 faculty members
No of projects – 2 (1 yr duration)
No of students involved -7
Value – Rs. 20,000/-
Status of completion – 60% to 70%

New proposals
Principal Investigator -2
No of projects – 2 (1yr duration)
Value – Rs. 12,000/-

**INFT department**

Ongoing
Principal Investigator -2 faculty members
No of projects – 2 (1 yr duration)
No of students involved -2
Status of completion – 80% to 95%

New proposals
Principal Investigator -3
No of projects – 1 (1yr duration)

## Item 10: To report on Training and placement activities

A detailed report on Training and Placement activities for the year 2017-18 were reported by the Head-Training Placement, which were also given in the Agenda/Notes.

A brief summary of the same is as given below:

1. Organization of Technical Skills Training during vacation:
Placement of companies are going to move from mass recruitment to skill based recruitment in the near future. Hence there is an urgent need to train our student in high end technical skills. Accordingly, technical skills training programs in subjects such as on Data Science, Web Technologies, Advanced Java, Cloud Computing were launched during the summer vacation of 2017-18. Training programs in Data Science and Web Technologies were completed and a total of **40 students** participated in a month (30 working days) long training programs.

2. Improving Problem Solving abilities of the Students: To help students get higher package technical jobs, we propose to introduce a platform of **'Techgig'** which is used by corporates like TCS, Cognizant and others to train their students in problem solving skills. Here the candidate is able to solve problem (about 600 problems are available on the platform) in 50 + languages. The practice will help the students to code in an efficient manner.

3. Batch Adoption Process by LTI: We have liaison with LTI for batch adoption process whereby the company intends to adopt the entire batch of CS and IT branch. The candidates during recruitment drive will be exempted from Aptitude Test and Technical Interviews. They had to clear only Group Discussion and HR Interviews. The batch was rigorously trained on these two which resulted in **174 students getting selected.**

Placement for the last 4 years

| Department wise eligible (Above 6.25 CGPA)/placed | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | 2015-16 | | 2016-17 | | 2017-18 | | 2018-19 (ongoing) | |
| Dept | Eligible/ Dept. Strength | Placed | Eligible/ Dept. Strength | Placed | Eligible/ Dept. Strength | Placed | Eligible/ Dept. Strength | Already placed |
| CMPN | 78/154 | 74 | 72/146 | 58 | 104/147 | 87 | 120/154 | 84 |
| INFT | 77/144 | 71 | 75/149 | 81 | 106/152 | 73 | 119/157 | 81 |
| EXTC | 65/145 | 62 | 75/155 | 43 | 98/147 | 66 | 111/153 | 16 |
| **Total** | **220/443** | **207** | **222/450** | **182** | **308/446** | **226** | **350/467** | **181** |

| Package details | | | |
|---|---|---|---|
| | **2015-16** | **2016-17** | **2017-18** |
| Highest Package | 4.68 | 5 | 10 |
| Lowest Package | 2.4 | 2.5 | 2.04 |
| Avg. Package | 3.06 | 3.1 | 3.38 |
| Students > 4 lakhs | 2 | 1 | 31 |

List of training and placement activities organized in the last 3 months were given in detail in the Agenda/Notes to the AAC members. A brief summary of the same is as given below:

CV preparation – 12 sessions for TE/BE students from different classes/branches -- by TPO
Aptitude Tests – 13 sessions for BE students from different classes/branches - by TPO
LTI orientation – 1 session for BE students from all branches - by TPO
Group Discussions (GD) – 7 sessions for BE students of different branches - by TPO
Interview skills – 1 session for BE IT A students – by TPO
C programming – 1 session for BE students of EXTC A. – by EXTC faculty member
Technical training in Data Science – 1 session for BE students of all branches - by external expert
Technical training in Web Technology – 1 session for BE students of all branches – by external expert
**Total sessions – 37 (in calendar year 2018)**

## Item 11: To report on the implementation of Mentoring Scheme for students

We have appointed a new Counsellor Ms. Namrata Sinha, on a part time basis thrice a week (Mon, Wed, and Fri) from 3 p.m. to 6 p.m. from a consultancy frim 'Brainwonders.' She addressed parents and students on mentoring during the PTI. She also requested parents to take out time for their ward and discuss their progress regularly, identify their difficulties and provide required support to their ward.

She has started meeting the mentors and students and will look into the mentoring scheme.

## Item 12: To report on Social Awareness and Societal Sensitivity for our students

A summary of the NSS activities conducted from March 2018-August 2018 prepared by NSS Unit Coordinator was reported as follows:
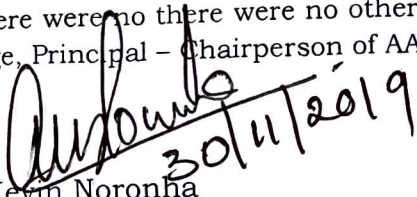
**Activities**

1. World Environment Day- Campaign on Beat Plastic Pollution at Juhu beach – 2 students participated
2. Run for Ocean Campaign at Versova Jetty beach -18 students
3. Yoga Training at Kalina campus, Mumbai University – 2 students
4. Library Stock Verification in SFIT - 41 students
5. Paper bag making project in SFIT reading room – 27 students
6. International Yoga Day Celebration at SFIT – 15
7. Awareness on Ban on Plastic Bags – Shivaji Nagar, IC colony market area – 32 students
8. Visit to Elderly Home at Vanaprashtashram Bhayander West – 47 students
9. Cloth Bag Making at Rizvi College – 5 students
10. Awareness on Dengue and Malaria in Shivaji Nagar – 53 students
11. Invisible Humans- Acknowledging the services of Housekeeping and Security Staff in SFIT – 35 students
12. Raksha Bandhan Celebration with Security Staff – SFIT – 5 students

## 13. Under any other points:-

Under any other points, Mr. Sunil Pansare, HOD of the newly introduced Mechanical Engineering department requested for the opinion of the AAC members from IITB whether it is alright to do PhD in Mechanical Engineering from Institute of Chemical Technology (ICT), Mumbai, Govt. of India.

Dr. S Biswas was of the opinion that ICT has better research facilities than some of the Govt. college such VJTI and SPCE even though it's specialization is in Chemical Technology. However, in view of good research facilities and tie-up with VJTI for Mechanical Engineering since ICT doesn't have Mechanical Engineering at UG/PG level but only General Engineering, there is no harm in doing PhD from ICT, provided one has a good guide.

As there were no there were no other points for discussion, the AAC meeting was concluded by Dr. Sincy George, Principal – Chairperson of AAC, at about 11.15 a.m. with a vote of thanks.

30|11|2019

Dr. Kevin Noronha
Member - Secretary