



Minutes of the meeting of the Academic Council.

The 1st meeting of the Academic Council of Dwarkadas J. Sanghvi College of Engineering of Shri Vile Parle Kelvani Mandal was held in the **Conference Hall, 1st floor of the college building on Tuesday, 3rd December 2019 at 11:00 a.m.**

The following members were present: -

1. Dr. Hari Vasudevan (Chairman), Principal, DJSCE
2. Dr. Shabbir Merchant, Professor, Electrical Engineering, IIT Bombay
3. Dr. L. Ganapathy, Professor and Former Dean, NITIE
4. Shri. Suresh Mhatre, Former Vice President, TCS
5. Dr. Rahul Altekar, Director, SAP India Pvt. Ltd.
6. Prof. Shreerang Joshi, UoM Nominee, Head Pharmaceuticals Sciences, ICT, Mumbai
7. Dr. Suresh Ukarande, Associate Dean, FoST, UoM & Principal, KJSIET, Mumbai
8. Dr. Suresh P. Deshmukh, UoM Nominee, Associate Dean, ICT, Mumbai
9. Dr. A. C. Daptardar, Vice-Principal, Admin, DJSCE
10. Dr. Manali J. Godse, Vice-Principal, Acad, DJSCE
11. Dr. Alpana Mahapatra, HOD, Chemical Engineering
12. Dr. Prasad S. Joshi, HOD, Electronics Engineering
13. Dr. Amit A. Deshmukh, HOD, Electronics & Telecommunication
14. Dr. Meera Narvekar, HOD, Information Technology
15. Dr. Narendra Shekokar, HOD, Computer Engineering
16. Dr. K. N. Vijayakumar, HOD, Mechanical Engineering
17. Prof. T. D. Biradar, Assoc. Head, Electronics & Telecommunication
18. Dr. Atul Dhale, Professor, Production Engineering
19. Dr. Trupti Paradkar, Associate Professor, Science & Humanities
20. Dr. Satish Takalikar, Professor, Mechanical Engineering
21. Dr. Rajendra Khavekar (By invitation): TPO
22. Dr. Meenakshi Rananaware (By invitation): Convener, EEC

Leave of Absence was granted to Dr. Sharad Mhaishkar, Pro Vice Chancellor, NMIMS (Deemed to be University) and Ms. Alka Shukla, Controller of Examinations (both invitees)

Item 1: To welcome to members of the Academic Council.

Principal, Dr. Hari Vasudevan, extended a warm welcome to all the members present. At the outset, he expressed his gratitude to everyone for attending the meeting and briefed the members about the structure of the Academic Council (AC). He further introduced the experts from industry and academia as well as the internal staff members on the council.

Item 2: To give a brief background of the college and the status of the Autonomy.

Principal gave a brief introduction about the background of the parent trust, SVKM as well as the college, starting with details of the inception of the college and the growth of various departments run by the college. After giving the details of the Autonomous Status achieved by the

college, recently during July 2019 for a period of 10 years, he very briefly highlighted few achievements, such as the grants received by staff members and departments, placements of the students and rankings of the college by various ranking agencies, during the last academic year as well as in the current A.Y. 2019-20, so far. In addition to the NIRF ranking of 195 at the All India level, he highlighted that the college was ranked amongst the top 10 private engineering institutions of the country by India Today during the Academic Year 2018-19. Dr. L. Ganapathy and other members expressed appreciation of the same and congratulated the college on the achievements. All the members present congratulated the college on receiving the Autonomous Status and wished all success in the future.

Item 3: To present the highlights of the meetings of the Board of Studies of all departments.

Various inputs received from Board of Studies (BOS) meetings, that were conducted at department level in the month of October were highlighted and presented to members. All the 8 BOS meetings were conducted during October 2019. The University of Mumbai academic scheme being adopted, as it is (for SE, TE & BE courses) by the college was discussed in all the boards and the same was accepted unanimously by all the members. Moreover, it was decided that the college would conduct the examination in the autonomy mode with minor modification in the marking scheme, considering the credits being offered. The major highlights of BOS meetings presented included the revised Examination Scheme of UG and PG courses and the approval of Panel of Examiners for conducting the exams. The members present approved the same.

Dr. Ashish Daptardar, Vice Principal (Admin) briefed about the new Academic Scheme planned for first year students admitted under the Autonomy scheme. He also briefed about the academic structure and evaluation, based on inputs received from the First Year Board of Studies, which was attended by Dr. Tapenendu Kundu, Dean, student Affairs of IIT Bombay. Dr. Hari Vasudevan mentioned that about 20% to 25% change in the syllabus, as compared to the existing syllabus, is planned for the first year students under the proposed academic scheme. Dr. Narendra Shekokar, Head of the department of Computer Engineering, mentioned that one of the BOS members in Computer Engineering, Mr. Atul Gandre from TCS Ltd. suggested that the college include statistics subjects in the curriculum of first year (F.E.) and second year (S.E.) as a prerequisite for courses in Data Analytics.

Item 4: To approve the proposal for change in nomenclature of the degrees to be awarded by the university

Principal proposed for the change in the nomenclature of the degree from B.E. to B.Tech as well as M.E. to M.Tech to be awarded to the students under autonomy by the University of Mumbai. In response to this, Dr. Shabbir Merchant said that the curriculum has to be reframed based on technology-oriented subjects, if the B.Tech and M.Tech degrees are to be offered. Shri Suresh Mhatre pointed out that the students, who go for MS and higher studies elsewhere will be benefited by B.E. rather than B.Tech with virtually no difference between the two,

otherwise. He mentioned that it is the college's name that matters actually. Dr. Rahul Altekar was also of the opinion that recruiters give more weightage to the brand of the college rather than the nomenclature of the degree offered. At the same time, he also agreed upon the change to be adopted in syllabus to accommodate technology-based subjects, if B.Tech and M.Tech degrees are to be offered. He also pointed out that, infrastructural changes in terms of new labs and facilities needs to be provided to justify the B.Tech/M.Tech degrees. Prof. Shreerang Joshi and Dr. Suresh P. Deshmukh was also of the same opinion.

Moreover, most of the members mentioned that it is the name of the college rather than the nomenclature of the degree, that gives further opportunities to the students, such as job opportunities as well as opportunities for higher studies, etc. Dr. Manali Godse mentioned that, owing to popular demand among parents and students, it is B.Tech that is preferred at the undergraduate level. Dr. Suresh Ukarande suggested that the college go by the popular demand and as such the University of Mumbai will not prefer to have a say on whether B.E./B.Tech. or M.E./M.Tech is to be offered. Dr. Hari Vasudevan agreed with the suggestions given by the members and he as well as Dr. Ashish Daptardar, Dr. Manali Godse and other HODs present agreed upon the need to incorporate future changes in the curriculum to justify the degrees to be offered, which would be finalised by the Governing Body. After a lot of deliberations, the Academic council concurred with the view regarding the proposal of awarding B.Tech. and M.Tech degrees & approved the same, provided adequate technology-oriented subjects and appropriate infrastructural provision are made available in the future.

Item 5: To confirm the credit structure & subject-wise syllabus for U.G. and P.G. courses implemented from the A.Y. 2019-20.

As per the AICTE Model Curriculum, Guidelines for UG and PG Courses in Engineering and Technology, the teaching scheme and its credits assigned were presented to the Council. The suggested break up of each category of the courses was also presented. Dr. Hari Vasudevan mentioned that before the college received the autonomous status, the students were to earn about 180 plus credits for their undergraduate degree. He further proposed that a total of credits in the range of 165-170 credits is being planned for the award of the degree, instead of exactly the 160 credits as suggested by the AICTE. There was no specific discussion on the number of credits planned for the award of PG degree.

Shri Mhatre suggested that skill enhancement courses with credits should also be introduced in the syllabus. Dr. Hari Vasudevan responded by saying that a Minor specialization is also now being offered by D. J. Sanghvi College of Engineering jointly with NMIMS (Deemed to be University) and IBM Innovation Centre for courses in Advanced AI & ML, Advanced Analytics and Advanced Technology-IoT for FE and SE students along with credit structure and project work. He mentioned that, to earn this minor certification, students have to earn an additional 30-35 credits, approximately through 7-8 subjects spread over 3-4 years.

Item 6: To confirm the list of Examiners in various courses

The members considered and approved the list of Examiners in various courses as proposed and recommended by various BOS.

Item 7: To approve of guidelines for examination and evaluation for U.G. & P.G. Programmes.

Principal presented the Examination Guidelines to members, wherein he described Grade Point and Letter Grades being planned to be offered. Dr. L. Ganapathy enquired about the equivalence formula to convert Grade Points into Letter Grades to which Dr. Manali Godse replied that a conversion table is being provided behind the marksheet, to be issued to students.

Dr. Shabbir Merchant enquired about the grade being planned to be offered to the students. Principal mentioned that the pattern followed by the University of Mumbai is what is being planned at the college currently, i.e., grades according to the brackets of percentages obtained by students. Normalisation pattern & fitting of the performance of the students on the normal curve are not being planned for calculation of grades, as of now.

Dr. Amit Deshmukh, Head of EXTC mentioned that in their Board of Studies, Dr. Girish Kumar, Professor of Electrical Engineering of IIT Bombay suggested that formula sheet be given to the students during the examination. All the Academic Council members agreed upon the incorporation of the formula sheet either as a part of the question paper or to be provided separately, whichever way, the same is applicable.

Dr. Hari Vasudevan explained the progression rules and passing standards to the Academic Council and it was approved by all members. In all, various aspects like, the Question paper format, revaluation of exam papers, Re-examination to be conducted etc. were put forward to members.

Prof. Shreerang Joshi suggested that the Revaluation process and the committee need not exist and the end semester papers should be shown to students to eliminate the burden of Revaluation process. Prof. Shreerang Joshi suggested that the examination scheme of 60:40 may be implemented, instead of 75:25. He insisted on giving more weightage to the internal assessment component as compared to external, end semester component. Dr. Ukarande suggested that changes should be gradually incorporated and he also seconded the elimination of the revaluation process. Shri Suresh Mhatre & Dr. Suresh Deshmukh agreed to Prof. Shreerang Joshi's view and added that under the autonomy, more stress should be given to the internal evaluation.

The principal described the assessment process that includes evaluation, revaluation and moderation by the examiners. Prof. Shreerang Joshi suggested that moderation is not required and can be eliminated, whereas Dr. L. Ganapathy suggested that the moderation can be done for candidates with 80% of marks & above.

The examination scheme for evaluating the performance of the candidates was presented. The members suggested to have online exams for subjects that include more practical work. Dr. A. C. Daptardar mentioned that F.E. scheme includes subjects, such as Engineering Drawing and Computer Programming, wherein instead of the manual theory exam for the End Semester evaluation, online practical exam will be conducted.

Majority of the members in the Academic Council strongly put forward the suggestion to implement 60:40 examination scheme in the evaluation structure. Dr. L. Ganapathy mentioned that in the true sense of Autonomy, the evaluation and examination scheme should be revised and implemented.

The Academic Council unanimously observed that the answer sheets need to be shown to the students and revaluation process may be scrapped. It was also recommended that freedom be given to faculty members to decide on the paper pattern in their individual subjects. Dr. Ashish Daptardar & Dr. Manali Godse mentioned that a uniform approach is required to be adopted. Also, it was suggested that the moderation may be done for candidates with 80% of marks & above.

After going through the details, the Academic council approved the guidelines for examination and revaluation document for UG and PG programmes.

Item 8: To approve Examination Committee and Unfair Means Committee members.

The members considered and approved the formation of Examination Committee and Unfair Means Committee members.

Item 9: To present a brief report on the current status of NAAC & NBA.

The current status of NAAC and NBA was presented to the members. The members were happy to note that the college is NAAC accredited with A grade (score of 3.18/4) as well as all the undergraduate programmes run by the college are accredited by the NBA for a period of 3 years. This was appreciated and acknowledged by everyone.

Item 10: To Inform about the Fees for the A.Y. 2019-20.

The fees for AY 2019-20 was presented and the proposal to increase the exam fee component to ₹4000/- was put forward to the Academic Council, as the regular exams as well as ATKT exams of 2nd & 3rd year are now being conducted by the college. Dr. Suresh Ukarande suggested that this matter is to be taken up by the Governing body and not by the Academic council and members agreed with the same.

Item 11: To present a brief report on the Ph.D. programmes & admissions

A brief report on the intake of students under various Ph.D. Programmes, i.e. Mechanical, Computer and EXTC was presented. The members were happy to note that 2 research scholars recently completed their Ph.D. and their degrees were awarded by the University of Mumbai. Shri Suresh Mhatre suggested that the intake of such courses should increase and more number of Ph.D. students should be admitted. He also appreciated, by acknowledging that the college currently has 32 Ph.D. holders among 134 faculty members in various departments and further close to 30 others are currently pursuing their Ph.D. from various institutes. When, Principal mentioned that about 7-8 faculty members are about to complete their Ph.D. in the next academic year, Shri Suresh Mhatre expressed his appreciation of the same.

Item 12: To transact any other business with the permission of the chair.

Dr. Rahul Altekar enquired about the frequency of new courses being added to the syllabus. Dr. Hari Vasudevan mentioned that it is the curriculum of Computer & IT branches that get affected majorly due to frequent changes in technology & care will be taken to ensure frequent updation of the syllabus. Dr. Rahul Altekar mentioned that for even Production & Mechanical Engineering branches, it needs to be more specific and the updates be thoroughly application based. He also said that virtually for all branches, the same approach needs to be followed in the current scenario of fast changing technological environment. In response to this, Dr. Hari Vasudevan explained that the meeting of various BOS will be scheduled during the months of February and March, 2020 and progressively the syllabus will be designed for the SE, TE and BE courses, by taking adequate care. He mentioned that the same will be brought forward & presented to the Academic Council, sometime during March-April 2020 for approval.

Shri Suresh Mhatre suggested putting up of the following points in the agenda for the future AC meetings:

1. Results in various examinations.
2. Detailed scheme and syllabus discussed & approved in various BOS.
3. Faculty position in various departments.
4. Details of placements of students.
5. Faculty Publications & other research contributions.

Dr. Suresh Ukarande suggested that all of these be mailed to members, so that the members could refer to them well in advance.

Shri Suresh Mhatre further suggested that the schemes and syllabus may be mailed a week in advance to members and also the meeting schedule may be provided in advance, so that the members can plan for attending the meeting comfortably.

Head of the department of Computer Engineering, Dr. Narendra Shekokar and Head of the department of EXTC Engineering, Dr. Amit Deshmukh informed about the conferences being organized by their departments and how it has helped sustain the research culture in the respective departments. They also informed about the various project

competitions organized by their departments under various student chapters. Head of the department of IT, Dr. Meera Narvekar mentioned about the faculty training being planned to prepare faculty members for taking up new subjects being introduced in the curriculum. The same is being practiced in the department by arranging Faculty Development Programmes in the required domains.

In continuation to the above mentioned points regarding the new courses, Principal put forward a proposal to close down Production & Biomedical Engineering courses (with intake 60 & 30 respectively) and start a new UG course in Data Science (with intake 60) as well as to consider the increase in intake from 60 to 120 in the branch of Information Technology w.e.f. the A.Y. 2020-21. He mentioned that the management has proposed the same and accordingly sought the approval from the Academic Council. After due consideration, the Academic Council unanimously approved the proposal.

Dr. L Ganapathy mentioned about introducing honours degree/courses that can be offered to the students. He also suggested integrating various branches in the long run with a more inter-disciplinary approach. Head of the department of Electronics Engineering, Dr. P. S. Joshi briefed about various institutes following the same i.e. integrating Computer Engineering with Electronics etc. Though, he mentioned that this improves the admission and placements, it is better to wait to see the visibility of such courses from various angles. Dr. Shabbir Merchant suggested about incorporating all electrical & electronics as well as telecommunication and Computer & AI based subjects under one department, i.e., in the department of Electrical Engineering like in the case of the IITs and mentioned that this may be considered by the management in the future.

As there was no other item on the agenda, the meeting ended with the vote of thanks.

Mumbai-400056
Date 09.12.2019

Dr. Hari Vasudevan
(Principal & Chairman)