

Minutes

Minutes of Eighth meeting of Board of Management JSS Science and Technology University held on Wednesday, 21st August 2019

Members present

- | | |
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| 1. Prof. B G Sangameshwara - Vice Chancellor, JSS S&T U, Mysuru | in Chair |
| 2. Prof. B. Suresh - Vice Chancellor, JSS University, Mysuru | Member |
| 3. Prof. S.A. Kori - Executive Director, Karnataka State Higher Education Council, Bengaluru | Member |
| 4. Prof. T.N. Nagabhushan – Principal, SJCE, Mysuru | Member |
| 5. Prof. P. Nagesh - Dean, Faculty of Management JSS S&T U, Mysuru | Member |
| 6. Prof. K.S. Lokesh – Registrar, JSS S&T U, Mysuru | Member Secretary |

Leave of absence - NIL

The Eighth meeting of Board of Management of JSS S&T U was held on 21.08.2019 at 11.00 AM at JSS CMS Board Room

Registrar welcomed the Members and requested the Vice Chancellor to Chair the meeting and conduct the proceedings.

Registrar informed the Hon'ble members of the Board of Management regarding the professional elevation of Prof. B. Suresh, Former Vice Chancellor, JSS AHER to the Pro-Chancellor's position of JSS AHER. The Board congratulated him and appreciated and recognized the exemplary contribution made in the tenure of Vice Chancellor of JSS AHER.

Prof. B. Suresh thanked the members of the Board for having congratulated him.

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8.01 To Read and Record the Minutes of the Seventh Meeting of Board of Management held on 04th May 2019

The Minutes of the Seventh Meeting of Board of Management were circulated to all the members on 09th May 2019 requesting for the comments. No comments were received and the final approved proceedings were sent to all the members and the copy of the same is placed in **Annexure-8.01 (pp.18-35)**.

For Kind Information

Discussion : The Board considered the Minutes of the seventh meeting of Board of Management which was sent to all the members and accepted the same.

Resolution: Noted and Accepted.

8.02 To Consider and approve the Action Taken on the Agenda Points of Seventh Meeting of Board of Management held on 04th May 2019

Agenda No. 6.15: To Consider for applying to AICTE for Increase in Intake in Management programmes to AICTE – (a) MBA Corporate Finance – 40 to 60 and (b) MBA Digital Marketing – 40 to 60.

Discussion : The Vice Chancellor informed the Board on the various issues on which the actions have been initiated with respect to the National Board of Accreditation of all the programmes and the student teacher ratio.

Prof. T.N. Nagabhushan, one of the members, presented the details regarding the valuation process of accreditation considering the student teacher ratio. He explained that the student teacher ratio maintained at 1 : 15 will be getting the full marks and as the ratio gets reduced 1 : 20, 1 : 25 appropriately the allocated marks will be reduced. Further, he informed the members that the cadre ratio along with work load has to properly maintained to secure high marks in this particular criterion. Registrar also reiterated the statements made by the Principal with respect to student teacher ratio.

Prof. B. Suresh wanted the departments specified accreditation process and the same has been presented. Prof. Kori wanted to know the list of the Departments which are not yet been accredited and the list was given to the Hon'ble members and informed the Board that this Department would be going for accreditation by December 2019. After the process of NBA is over the list will be submitted in the next meeting of Board of Management.

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Principal & Dean-Engg. & Tech., informed the Board that the self-appraisal reports of the Department which are going for accreditation would be uploaded by 15th September 2019.

Vice Chancellor informed the Board that a sub-committee is constituted to work out the modalities of promoting, developing and inculcating the research culture amongst the members of the faculty of the University. The sub-committee will meet in the coming months and would present an action plan to further the cause of the research in the University. Regarding the Research and Innovation Council (RIC), Vice Chancellor informed the members about the various activities envisaged under RIC.

Prof. Suresh suggested to implement the programme planned by JSS AHER to promote the intensive research. It is advisory to earmark `3.00 lakhs for three years and from that `50,000/- per six month may be released to sustain the research culture. This will enhance the development of research and involvement of members of the faculty. The Board appreciated this idea and the Chairman also assured the Board that the same programme will be adopted in JSS S&T U also.

Vice Chancellor informed the members about the re-recruitment of highly accomplished, experienced and superannuated Professors to offer their services. For this the University has submitted a proposal to the Management to pay a consolidated amount of `70,000/- to `1.00 lakh per month.

Prof. Suresh added to consider the re-recruitment process of JSS AHER which is working very well.

The University authorities have agreed to follow the same system in JSS S&T U also.

Prof. Kori clarified that it should not a general policy of the re-recruitment. Only those highly accomplished and experienced Professors shall be covered under this scheme

Agenda No. 6.17 : To Consider the nomination of new members of Academic Council against superannuated members

Resolution: The Board considered the agenda and given its approval to nominate the new members in place of superannuated / deceased and resigned members of Academic Council.

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Action Taken : Four members of the Academic Council have been superannuated and the replacement for the existing vacancies is being done as per the gradation list of the Members of the Faculty.

The names of the members who have been nominated according to the seniority for the existing vacancies of Academic Council will be presented during the meeting for the following cadres :

1. Professor level – 4 Nos
2. Associate Professor level – 1 No.
3. Assistant Professor level – 1 No.

For Kind Consideration and Approval

Discussion : The Board has noted the list of nominated members who have been nominated for the place of superannuated members of Academic Council

Resolution: The Board considered and Noted.

Update on Action Taken : JSS Science and Technology University has submitted a proposal to the Management to reappoint highly accomplished member of the faculty by providing a monthly consolidated pay package of `70,000/- to `1.00 lakh.

Agenda 7.04 To Consider and approve the Action Taken on the Agenda Points of the fifth meeting of Academic Council held on 18th December 2018

Agenda No. 5.13 : To Consider and approve the modifications in the Regulations of UG programme with respect to Supplementary Semester

Discussion : The members were briefed about the Supplementary Semester system being adopted right from the day one of Autonomous System.

From the academic year 2016-17, after the establishment of University, for the first two batches of admitted students, autonomous schemes regulations were adopted as there was no new Regulations prepared by the University to govern UG programmes.

Therefore, the University started offering Supplementary Semester as per the Regulations. However, in 2018-19, JSS S&T U has prepared its Regulations governing UG programmes . In that the Supplementary Semester was done away with and only Supplementary Examination is offered by the University. Due to some confusion, two meetings of Joint Boards of Studies were held under the Chairmanship of Vice Chancellor. In that

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meeting, it was decided to offer both Supplementary Semester and Supplementary Examination in the current academic year both are being offered.

Prof. Suresh strongly suggested doing away with Supplementary Semester and continuing Supplementary Examinations only. He informed the members that it is the students' responsibility to complete the courses and also to register for the courses when offered during the regular academic years. However, for the current academic year 2019-20 the statuesque of offering both Supplementary Semester and Supplementary Examination continues.

Agenda No. 5.15 : To Consider for applying to AICTE for Increase in Intake in Management programmes to AICTE – (a) MBA Corporate Finance – 40 to 60 and (b) MBA Digital Marketing – 40 to 60

Discussion : Vice Chancellor informed the Board that the MBA programme of JSS S&T U is initiating to go for accreditation.

Dr. Nagesh, Prof. & Head, CMS was told seriously to get the accreditation for the programme for which being a member of the Board of Management has agreed and informed the work of getting preparing the SAR is in progress before December 2019. He assured the Board that the SAR would be uploaded for accreditation.

Agenda 7.05 To Consider and approve the Proceedings of the sixth meeting of Finance Committee held on 18th March 2019

Discussion : The Board considered the budget proposal prepared by JSS S&T U.

Prof. Suresh suggested to make provision in the University budget itself for newer initiatives that are being planned in the University such as promotion of research, re-recruitment policy, etc.

Agenda 7.06 To Consider and approve the admission of candidates for M.Sc. (Engg.)/Ph.D for the academic year 2019-20

JSS Science and Technology University had advertised for the M.Sc. (Engg.)/Ph.D programmes for the academic year 2019-20. In this regard, all the process were conducted including entrance examination and interviews. Total 32 candidates have been qualified to register as Research Scholars in various disciplines. The list of registered Ph.D research scholars is placed in Annexure-7.08.

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For Kind Consideration and Approval

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Discussion : JSS Science and Technology University called for admissions for M.Sc. (Engg.) and Ph.D programmes for the year 2019-20. Vice Chancellor explained the process of selection of M.Sc. (Engg.) and Ph.D research scholars as per UGC and JSS S&T U regulations. The list of research scholars was presented.

Prof. Kori suggested to recognize the experts from industries as co-guides for quality research work.

Resolution: The Board considered the agenda and approved the list of candidate admitted for M.Sc. (Engg.) and Ph.D programmes.

Action Taken : As per the Regulations governing M.Sc. (Engg.) and Ph.D, Professors from JSS S&T U only are eligible to be guides. However, the University can recognize industry experts as co-guides.

JSS Science and Technology University has taken initiative of recognizing the experts from industries as co-guides to supervise the research scholars of the University. Annexure 8.04 (pp.41-44).

Agenda 7.07 To Consider and ratify the starting of new course – Computer Science and Business Systems (CSBS)

JSS Science and Technology University has its one of the mission of starting new programmes. It is envisaged to offer a four year BE degree programme in Computer Science and Business Systems (CSBS) in association with TCS from the academic year 2019-20.

In this regard, MoU has been signed on 29.04.2019 with TCS. The approved Scheme of Study and Examination as well as Curriculum Structure are placed in **Annexure-7.09**

For Kind Consideration and Approval

Discussion : Vice Chancellor provided the highlights of these proposed new programmes which has been approved by AICTE and TCS. The curriculum structure has been jointly prepared by this organisation. JSS S&T U had applied for offering this programme from the academic year 2019-20. TCS have selected the University and offered to associate with the University for conducting this programme.

Prof. Suresh informed the Board that this has to be approved by BoS and Academic Council since it is an academic programme. The Board agreed for the same.

Resolution: The approval has been given by the Board to offer this programme with TCS after seeking the approval from BoS and AC.

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Action Taken : The curriculum structure was placed before the sixth meeting of Academic Council and BOS. Both have accepted and approved the same (Annexure 8.05, pp. 45-86, Tabled Separately).

Agenda 7.08 To Consider and approve the Compliance Report of Expert Committee Visit of UGC/AICTE on 11th and 12th January 2019

UGC/AICTE Expert Committee had visited JSS S&T U on 11th and 12th January 2019. The committee has given its compliance report and the same is placed in **Annexure-7.10**. Accordingly, the University has taken measures to comply with whatever recommended by the Expert Committee. It is appreciable to note that the committee has recommended for the recognition of JSS Science and Technology University under UGC.

For Kind Consideration and Approval

Discussion : Prof. Suresh suggested to modify the agenda item as "To Consider the report of the Expert Committee of UGC/AICTE and Compliance submitted to the University. No discussions on this, except on the issue of Student Teacher Ratio and appointment of highly accomplished and meritorious member of the faculty from outside the Institution and the State.

Prof. Suresh suggested to create an environment where in breeding is avoided and new programmes initiatives are made with respect to change in science and technological advancements.

Resolution: The Board considered the agenda.

Action Taken : The agenda has been modified as per the suggestion by Prof. Suresh as "To Consider the Compliance Report of Expert Committee Visit of UGC/AICTE on 11th and 12th January 2019" instead of "To Consider and approve the Compliance Report of Expert Committee Visit of UGC/AICTE on 11th and 12th January 2019".

Agenda 7.09 To Consider and ratify the new appointment of the University Officers :

- Extension of Services of Deputy Registrar
- Appointment of Assistant Registrar (Administration)
- Appointment of Assistant Registrar (Examinations)

Discussion : Prof. Suresh suggested to have statutes for appointing University officers as it would be easy for the authorities of the University to appoint such officers.

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Prof. Suresh agreed the draft order prepared by the office of the Registrar to be followed by the University. From here onwards, all orders will be issued as per the draft approved. Deputy Registrar has requested to initiate the preparation of statutes for appointing University officers.

Agenda 7.10 To Consider and approve the regulations for part time BE Degree programmes (Evening Programmes) of JSS S&T U

Discussion : Vice Chancellor explained in detail regarding the offering of part time BE Degree programmes (Evening programmes) under University. He also mentioned all necessary approvals from AICTE and GoK have been obtained and NoC has already been issued by VTU in this regard.

Prof. Suresh was of the strong opinion that such programmes wherein the admissions are very poor, it is better not to offer such programmes, instead of that some certification programmes can be thought of to be offered. He mentioned that think and work like University.

Agenda 7.14 Any other Agenda with the Permission of the Chair

Principal and Dean-Engg. & Tech., JSS S&T U raised the issue of Digital Pedagogies which AICTE and TEQIP-III are offering for initiating Flip learning process in Engineering Institutions and Universities.

Accordingly the Institution has submitted the proposal for getting 50 classrooms equipped with all required digital facilities for the benefit of the teachers to create a wonderful teaching learning environment. The members of the Board have appreciated the idea and agreed to give the green signal to go ahead for applying under TEQIP-III to have digital classrooms facilities on the campus. This facility shall be made use effectively for disseminating the knowledge of the students.

Discussion : Principal & Dean-Engg. & Tech., briefed the members about the provision made by NPIU under TEQIP III programme for 50 digital boards initially. Further, he informed the members that only 10 boards for each Institution will be provided as per the latest information given by NPIU.

The members of the Board have appreciated NPIU's initiation and suggested to make every classroom as Digital Classrooms.

Resolution: The Board discussed, debated, considered and accepted the action take report of the seventh meeting of Board of Management and approved the same.

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8.03 To Consider and approve the Proceedings of the sixth meeting of Academic Council held on 20th July 2019

The proceedings of the sixth Meeting of Academic Council is placed in **Annexure-8.08 (pp.94-107)**.

The highlights of the meeting are :

1. Action Taken Report on the agenda points of the fifth meeting of Academic Council and the feedback report of the stakeholders on the curriculum and analysis was considered, discussed, debated, accepted and approved.
2. Considered and approved the modifications in the regulations governing UG programmes with respect to Supplementary Semester.
3. Considered and approved the curriculum of new BE Degree programme in Computer Science and Business Systems, other new courses and changes made in the scheme and syllabus of UG and PG programs from the academic year 2019-20.
4. Considered and approved the curriculum of new programme – B.Sc. Animation and Visual Effects and B.Sc. (Hons.) Economics.
5. Considered and approved the starting of part time BE Degree Programmes (Evening programmes) under JSS S&T U from the academic year 2019-20.
6. Considered and approved the nomination of new members for Academic Council against superannuated/deceased members.
7. Considered and approved the examination period of two years for Ph.D course work examination with two attempts.
8. Academic Council approved the Regulations pertaining to malpractices in the University Examinations.
9. Considered and approved the additional eligibility criterion for admissions to Bachelor of Computer Applications from the academic year 2019-20.

Discussion : Vice Chancellor highlighted the resolutions made in the sixth meeting of Academic Council.

Resolution: The Board has accepted the same and approved

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8.04 To Consider and approve the Proceedings of the sixth meeting of Finance Committee held on 18th March 2019

The proceedings of the sixth Meeting of Finance Committee is placed in Annexure-8.09 (pp.108-123).

Highlights of the meeting are :

- The committee considered and approved the consolidated budget estimates of JSS S&T U for the year 2019-20.
- The members considered the planned new programmes and proposals of building construction report for the year 2019-20, accepted and approved the same.
- The committee considered the institution wise abstract budget for 2019-20 including revenue and capital gain and approved the same. It has shown a surplus amount of Rs. 1361.99 lakhs for the year 2019-20.
- JSS Science and Technology University is in the process of procuring 110 acres of land to start its second campus in the KIADB identified land in Kadakola industrial area. It is in the final stage.
- A proposal submitted to the management seeking the hike in hostel fee has been considered and approved.

For Kind Consideration and Approval

Discussion : Vice Chancellor provided the details regarding the sixth meeting of Finance Committee.

Prof. Suresh while appreciating budget proposals suggested to include in the budget itself to develop centres of excellence at a cost of over `2.00 crores after identifying the potential Departments. Another suggestion, he has given is a research budget of about 2-4% shall be separately claimed while for academic activities 4-5% provision shall be made in the new budget of the University.

The suggestions were highly appreciated by the Chairman and the members of the Board and agreed to make provision as suggested in the forthcoming budget.

Resolution: Considered, accepted and approved the proceedings

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8.05 To Consider and approve the modifications in the regulations governing UG programmes with respect to Supplementary Semester/Examination and required faculty positions across different Departments

JSS Science and Technology University was adopting the regulations of autonomous system of SJCE from its inception period of 2016-17. It has formulated its own regulations during the academic year 2018-19.

In the new regulations, it was decided to modify the regulations of UG programmes with respect to Supplementary Semester as follows :

In lieu of this, it was decided in a meeting held on 11th July 2018 under the Chairmanship of Vice Chancellor that the University was conducting only Supplementary Examination for those students who were eligible in getting both attendance (75%) and CIE (50%) in the previous semester's examination by retaining same CIE marks. However, those students who are not eligible to appear for Supplementary Examinations are allowed to register for Supplementary Semester.

The committee unanimously accepted this amendment and hence included in the Regulations governing undergraduate programmes of JSS S&T U.

Discussions were made regarding the number of faculty positions required as per AICTE norms for various Departments and are annexed in pp. 164-169.

Discussion : Vice Chancellor presented the total number of faculty positions required during the A.Y. 2019-10. Prof. B. Suresh suggested to do away with the Supplementary Examinations and hence forth from the academic year 2020-2021 this will be implemented.

Resolution: Considered and approved the total faculty positions required for the A.Y. 2019-20 and to do away with the Supplementary Examinations from the A.Y. 2020-21

8.06 To Consider AICTE's Extension of Approval and from the Dept. of Higher Education, GoK for UG, M.Tech, MCA and MBA programmes and allocation of programme wise seats across various Departments for the academic year 2019-20

JSS S&T U had applied for extension of approval of all the programmes including the starting of new programmes and closure of few programmes during the academic year 2019-20. Accordingly, the program-wise allocation of seats for various Departments for the academic year 2019-20 were prepared and annexed in pp. 170.

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AICTE and Dept. of Higher Education, GoK have accorded their approval (Annexure 8.10, pp. 124-130).

Discussion : Vice Chancellor brought to the notice of the members regarding the AICTE and GoK's approval for various programmes and the program wise allocated seats for the academic year 2019-20

Resolution: The members noted the approval and given their consent for ACTE and GoK's recognition and the programe wise allocated seats

8.07 To Consider and approve the starting of part time BE Degree programmes (Evening Programmes) from the academic year 2019-20 under JSS S&T U

JSS Science and Technology University would be offering part time BE Degree programme (evening programme) from the academic year 2019-20. The regulations governing the undergraduate programmes shall be adopted, for these programmes also, with necessary modifications, if any, required.

VTU has issued NOC pertaining to disaffiliation of part time BE Degree programmes (Evening programmes) from the academic year 2019-20. The letter received from VTU is placed in Annexure 8.11 (pp.131-132).

For Kind Consideration and Approval

Discussion : Vice Chancellor brought to the notice of the members that from the academic year 2019-20, part time BE Degree programmes are being offered in the University.

However, Prof. Suresh has already suggested to close such programmes which will not be financially viable and think of offering alternative certification programmes which are relevant in today's context.

Resolution: Noted and Approved

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8.08 To Note the Nomination of Experts to Search-cum-Selection Committee for selecting Vice Chancellor of JSS S&T U

JSS Science and Technology University was established during the academic year 2016-17 through the Act No. 43 of 2013 and has been notified by Govt. of Karnataka dated 16.01.2016.

Prof. B.G. Sangameshwara, Vice Chancellor was appointed as the first Vice Chancellor of the University by the Chancellor through the order no. TED/STU/2016-17/11 dated 21st June 2016. The first term tenure of the first Vice Chancellor completed on 24th June 2019.

The University has decided to advertise for the post of the Vice Chancellor and accordingly office of the Secretary to the Chancellor has released the advertisement in Daily Newspapers (**Annexure 8.12, pp. 133-134**) inviting the applications for Vice Chancellor. As per the Act, the Search-cum-Selection Committee has to be formulated to shortlist the candidates applied.

In this regard, Board of Governors was authorized to nominate the members of the Search-cum-Selection Committee to select the Vice Chancellor.

The Board of Governors met on 1st August 2019 and recommended the following Professors as the nominees of BoG for Search-cum-Selection Committee as per the University Act :

1. Prof. M.H. Dhananjaya, Adviser, Technical Education Division, JSS MVP and Member, BoG, JSS S&T U
2. Prof. B. Suresh, Pro-Chancellor, JSS AHER and Member, BoM, JSS S&T U

The incumbent Vice Chancellor is continued until further orders (vide order no. TED/STU/VC/2019-20/855 dated 22.06.2019).

For Kind Consideration

Discussion : Registrar appraised the members of the Board regarding the ending of term of the first incumbent Vice Chancellor.

Further, Registrar brought to the notice of the members that the University had advertised for the position of Vice Chancellor as per the Act. A Search-cum-Selection Committee has been constituted by nominating two members in the recently held fifth meeting of BoG.

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Chancellor also has nominated a person who will be acting as the Chairman of Search-cum-Selection Committee. Registrar informed the Board that over 100 applications were received in response to the advertisement given. The appointment of new Vice Chancellor will be completed by the end of September 2019. The Board was informed by the Registrar that till the appointment of new Vice Chancellor, Prof. B.G. Sangameshwara will continue to hold the office of the Vice Chancellor until further orders.

Resolution: Noted the Information.

8.09 To Consider and approve the fee structure recommended by Internal Fee Fixation Committee for various academic and research programmes of University for the academic year 2019-20

Internal Fee Fixation Committee met on 22nd May 2019 and approved the fee structure for the academic year 2019-20 for all programmes of the University starting from 1st year to higher semesters. The recommended fee structure is enclosed in Annexure 8.13 (pp.135-143).

For Kind Consideration and Approval

Discussion : The fee structure was considered and approved by the Board for the academic year 2019-20 for all academic and research programmes of the University.

Resolution: The Board considered and approved.

8.10 To consider and approve the Nominations of new members of Academic Council against superannuated / deceased members

JSS Science and Technology University has nominated the following Members of the Faculty at different levels to fill the places which were vacant due to the superannuation / decease of the following members of the Academic Council :

1. Dr. G.M. Shashidhara, Dean-Research, JSS S&T U (Deceased)
2. Dr. M.C. Manjunath, Professor & Member, Dept. of IP, SJCE (Superannuated)
3. Dr. K.V. Sreenivas Prasad, Professor & Member, Dept. of IP, SJCE (Superannuated)
4. Dr. C.R. Nataraj, Assoc. Prof. & Member, Dept. of E&CE (Superannuated)

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5. Dr. B.V. Shilpa, Asst. Prof. & Member, Dept. of IS&E (Resigned on personal grounds)

The approved names of the nominated Members of the Academic Council by the Vice Chancellor as per the seniority at each level are as follows :

The new list of members of Academic Council is placed in **Annexure 8.14 (pp.144-145)**:

1. Dr. Siddaramaiah – Dean – Faculty of Science, JSS S&T U
2. Dr. M.S. Prabhuswamy, Professor – Dept. of ME, JSS S&T U
3. Dr. P. Mallu, Professor – Dept. of Chemistry, JSS S&T U
4. Dr. S.K. Prasad, Professor – Dept. of Civil Engineering, JSS S&T U
5. Dr. M.S. Shashikala, Associate Professor – Dept. of E&EE, JSS S&TU
6. Dr. Shankaraiah, Associate Professor – Dept. of E&CE, JSS S&T U
7. Dr. R. J. Prathibha, Assistant Professor – Dept. of IS&E, JSS S&T U

The term of the office of this Council is 2017-2020.

For Kind Information and Approval

Discussion : Vice Chancellor informed the members about the superannuation of nominated members of the Academic Council and the sudden demise of one of the members had left the positions vacant. For the vacant positions as per seniority, new names have been nominated by the Vice Chancellor and the same has been presented in Academic Council which has approved the nominated members. The orders will be issued incorporating new nominated names after the BoM's approval.

Resolution: The Board considered nominated members and approved the same.

8.11 To consider and approve the number of attempts and period to be given to appear for Ph.D Research Scholars to appear for Ph.D Course Work Examinations

JSS Science and Technology University started offering M.Sc. (Engg.) and Ph.D programmes from the academic year 2017-18. Accordingly, the University has framed the Regulations Governing M.Sc. (Engg.) and Ph.D programmes from the academic year 2018-19. After having got two years of experience, certain observations were made by the University authorities which are as follows :

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- The number of attempts to complete the Ph.D course work examinations.
- The duration of one year for two attempts.

The Academic Council has accepted and approved the extension of period to appear for Ph.D Course Work retaining two attempts only. The accepted resolution is to complete the Ph.D course work in two attempts within two years.

For Kind Information and Approval

Discussion : Vice Chancellor provided the details of discussions held in the Academic Council regarding the provision of number of attempts and the period to be given to M.Sc. (Engg.) and Research Scholars for completing the Course Work Examinations.

Prof. Kori suggested to retain the high quality of research work by giving lot of freedom to all the research scholars as well as guide.

The suggestion was accepted by University and other members also supported the suggestion. The Board agreed for the approved number of attempts and the period in the Academic Council.

Resolution: The Board accepted and approved.

8.12 To consider and approve the Regulations pertaining to Malpractices in the University Examinations

JSS Science and Technology University is planning to adopt regulations pertaining to malpractices in the University Examinations.

In this regard, the Controller of Examinations was requested to prepare the Regulations on the lines of UGC. The same has been placed in **Annexure 8.15 (pp.146-163)**. The Academic Council also has approved the regulations pertaining to malpractices in the University Examinations.

For Kind Consideration and Approval

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Discussion : University authorities have informed the members of the Board regarding the need for having a regulations pertaining to malpractices in the University Examinations. Office of the Controller of Examinations are appreciated by the members for having prepared the Regulations and the same has to be followed by the University

Resolution: The Board considered and approved.

8.13 To consider and ratify the additional eligibility criterion for admission to Bachelor of Computer applications (BCA)

JSS Science and Technology University is offering BCA programme from the academic year 2017-18. The eligibility for the admission to this programme is + 2 or PU or equivalent with Mathematics.

A request was made by the Head, Dept. of Computer Applications after seeking approval from BoS to include statistics as one of the courses to be considered in addition to mathematics at the time of admission.

The Council has given its consent to have the provision of statistics as one of the additional course to be considered as eligibility for admission to BCA programme.

For Kind Consideration and Approval

Discussion : Vice Chancellor appraised the Board members regarding the additional course to be considered for admitting the students for BCA programme. In addition to Mathematics course which is already approved, the Academic Council has also given its approval to consider Statistics also as an additional course to be considered for admission to BCA programme.

Resolution: The Board considered and approved the additional criterion for BCA admissions.

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8.14 To Consider the Activity Report on Memoranda of Understanding signed with various industries and organisations and Academic and Administrative Audit conducted

JSS Science and Technology University is continuously associated with outside Universities to further the cause of Science and Technology programmes with lot of activities related to research. The Academic and Administrative Audit for the identified departments was conducted on 19th July 2019.

Discussion : *The members of the Board have appreciated the efforts of the University in signing the MoUs as well as the activities envisaged. Conduct of Academic and Administrative Audit was also appreciated and members suggested to implement the recommendations made in the report*

Resolution: Noted.

8.15 Any other Agenda with the Permission of the Chair

Discussion : *Prof. P. Nagesh, Dean Management appraised to offer one year PG Certification Programme in Tax Management for which the Board has given its consent to submit the detailed proposal along with the curriculum.*

Vice Chancellor also brought to the notice of the members that one year programme in Artificial Intelligence and Machine Learning would be offered from the next academic year.

Further, he also informed the members of the Board that the University has initiated to start a new M.Tech programme in Smart Cities and Sustainability as there is a lot of demand for such a programme.

Resolution: The Board considered the above suggestions, given their consent to offer the programmes after academic clearance through other University bodies.

Meeting concluded with thanks to the chair and the members

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Registrar
JSS S&T University

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Program wise Allocation of seats for the academic year 2019-20

SL No	Programme offered	Programme code	Number of Seats
1	B.E. in Biotechnology	BEBT	60
2	B.E. in Civil Engineering	BECE	120
3	B.E. in Computer Science and Business Systems	BECB	50
4	B.E. in Computer Science and Engineering	BECS	180
5	B.E. in Construction Technology and Management	BECT	60
6	B.E. in Electronics and Communication Engineering	BEEC	120
7	B.E. in Electrical and Electronics Engineering	BEEE	60
8	B.E. in Electronics and Instrumentation Engineering	BEEI	60
9	B.E. in Environmental Engineering	BEEV	60
10	B.E. in Industrial and Production Engineering	BEIP	60
11	B.E. in Information Science and Engineering	BEIS	60
12	B.E. in Mechanical Engineering	BEME	120
13	B.E. in Polymer Science and Technology	BEPS	40
14	Bachelor of Computer Applications	BCA	60
15	Master of Computer Applications	MCA	60
16	M.Tech in Automotive Electronics	MTAE	24
17	M.Tech in Industrial Electronics	MTIE	18
18	M.Tech in Industrial Structures	MTIS	18
19	M.Tech in Network & Internet Engineering	MTNI	25
20	M.Tech in Environmental Engineering	MTEE	18
21	M.Tech in Maintenance Engineering	MTME	18
22	M.Tech in Computer Engineering	MTCE	18
23	M.Tech in Software Engineering	MTSE	24



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SL No	Programme offered	Programme code	Number of Seats
24	M.Tech in Bio Medical Signal Processing & Instrumentation	MTBS	18
25	M.Tech in Master of Engineering Management	MTEM	18
26	M.Tech in Energy System & Management	MTES	18
27	M.Tech in Health Science & Water Engineering	MTHW	18
28	M.Tech in Polymer Science	MTPS	18
29	M.Tech in Data Science	MTDS	20
30	M.Tech in Material Science and Engineering	MTMS	20
31	M.Tech in Bio Technology	MTBT	18
32	M.Tech in Infrastructure Engineering and Management	MTIM	20
33	M.Sc. in Chemistry	MSCH	30
34	M.Sc. in Mathematics	MSMA	30
35	Master of Business Administration	MBGE	120
36	MBA in Corporate Finance	MBCF	60
37	MBA in Retail Management	MBRM	40
38	MBA in Digital Marketing	MBDM	60
39	MBA (Executive)	MBEP	40



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Required Faculty Position for the academic year 2019-20

Sl. No	Department	Professor	Associate Professor	Assistant Professor	Total No. of Faculty Posts
1	Biotechnology	1	2	6	9
2	Chemistry	1	2	7	10
3	Civil Engineering	2	4	15	21
4	Computer Science And Engineering	3	6	18	27
5	Construction Technology And Management	1	3	8	12
6	Electrical And Electronics Engineering	2	4	10	16
7	Electronics & Communication Engineering	3	6	17	26
8	Electronics & Instrumentation Engineering	2	3	10	15
9	Engineering Education	0	0	1	3
10	Environmental Engineering	2	4	12	
11	Industrial And Production Engineering	1	3	8	12
12	Information Science And Engineering	2	3	10	18
13	Master Of Business Administration	6	9	17	32



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Sl. No	Department	Professor	Associate Professor	Assistant Professor	Total No. of Faculty Posts
14	Computer Applications	2	4	9	15
15	Mathematics	1	3	8	12
16	MBA (E MBA)	0	0	1	1
17	Mechanical Engineering	3	6	19	28
18	Physical Education	0	0	1	1
19	Physics	1	1	4	6
20	Polymer Science and Technology	1	2	8	11
Total		34	65	189	293



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JSS TI Campus, Mysore-570006

Academic and Administrative Audit (AAA) for the year 2018-2019

Submitted by

1. Prof (Dr) T V Suresh Kumar – Audit Coordinator (External)

GITAM University

And

2. Prof (Dr) Asha Rajiv – Auditor member (External)

Jain University

3. Prof. Hara Prasad (Internal)

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REPORT OF THE COMMITTEE CONSTITUTED FOR CONDUCTING ACADEMIC & ADMINISTRATIVE AUDIT (AAA) FOR ACADEMIC YEAR 2018-19

Preamble: The AAA focused on evaluating the quality and relevance of academic programs, teaching methodologies, research and student outcomes and overall parameters pertaining to academic excellence. The goal was to ascertain if the educational offerings meet the required standards, align with industry needs, and promote a conducive learning environment

Opening Meeting:

Date: 19th July 2019

Time: 8:00 AM - 8:30 AM

Venue: SJCE Board Room

Auditors:

Prof(Dr) T V Suresh Kumar, Auditor-Coordinator

Prof(Dr) Asha Rajiv

Participants

IQAC members and HoD's of all departments

Prof. Hara Prasad, Deputy Registrar

Agenda:

1. Welcome /Introduction
2. Review of Audit Objectives and Scope
3. Discussion of Audit Procedures and Timeline
4. Clarification of Roles and Responsibilities
5. Questions and Concerns from Participants
6. Next Steps and Action Items

Minutes:

1. Welcome / Introductions

- The meeting was called to order by the Dean-IQAC.
- Attendees introduced themselves, stating their names and roles within the institution.

2. Review of Audit Objectives and Scope

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- Prof(Dr) T V Suresh Kumar provided an overview of the audit objectives, emphasizing the need to assess the institution's academic processes and standards.
- The scope of the audit was discussed, including the areas and departments to be covered (as mentioned in Annexure-1)

3. Discussion of Audit Procedures and Timeline

- The auditors explained the planned procedures for data collection, document review, interviews, and observations.
- The proposed timeline for the audit was presented as mentioned in Annexure -2

4. Clarification of Roles and Responsibilities

- The roles and responsibilities of the audit team and institution representatives were clarified.
- The IQAC coordinator and HoDs were identified as key points of contact for the auditors.

5. Questions and Concerns from Participants

- Participants were allowed to ask questions or raise concerns regarding the audit process, confidentiality, or any other related matters.
- The meeting was adjourned by the Principal at 10 am on the Date: ____ for the Closing meeting at 5 pm on Date:

Annexure-1

Check list and departments for the audit:

Checklist

- Theory Course File Checklist - IQAC-F7-V1.0
- Department Files Checklist - IQAC-F8-V1.0
- Faculty Academic Record Checklist - QAC-F9-V1.0

Departments for the audit:

- Department of Mechanical Engineering
- Department of Information Science & Engineering
- Department of Electronics and Instrumentation Engineering
- Department of Polymer Science and Technology
- Department of Mathematics
- Department of Environmental Engineering
- Department of Biotechnology
- Department of Construction Technology
- Department of Computer Applications
- Department of Center for Management Studies
- Department of Computer Science and Engineering

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- Department of Industrial and Production Engineering
- Department of Chemistry
- Department of Physics
- Department of Electrical and Electronics Engineering
- Department of Electronics and Communication Engineering
- Department of Civil Engineering

Annexure-2

The timeline for a one-day audit will depend on various factors, such as the scope and complexity of the audit, the size of the organization being audited, and the specific objectives of the audit. However, I can provide a general outline of a one-day audit timeline:

8:00 AM - 8:30 AM: Opening Meeting

Conduct an opening meeting to introduce the audit team, explain the purpose and scope of the audit, and discuss the audit plan and timeline.

8:30 AM - 9:30 AM: Document Review

Review relevant documents, such as policies, procedures, records, and reports, to gain an understanding of the organization's processes and practices.

9:30 AM - 10:30 AM: Interviews

Conduct interviews with key personnel, including management, staff, and other relevant stakeholders, to gather information, verify practices, and clarify any discrepancies.

10:30 AM - 11:00 AM: Break

11:00 AM - 12:00 PM: Process Observation

Observe specific processes or operations identified as important or high-risk areas to assess their effectiveness, adherence to procedures, and compliance with relevant standards or regulations.

12:00 PM - 1:00 PM: Lunch Break

1:00 PM - 2:30 PM: Data Analysis and Sampling

Analyze data collected during document review, interviews, and process observations. Perform any necessary sampling of data to validate findings and identify patterns or trends.

2:30 PM - 3:30 PM: Findings and Recommendations

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Compile audit findings, identify areas of non-compliance or improvement opportunities, and develop recommendations for corrective actions or process enhancements.

3:30 PM - 4:00 PM: Closing Meeting

Conduct a closing meeting to present the audit findings and recommendations to the relevant stakeholders, discuss any potential next steps, and address any questions or concerns.

4:00 PM - 4:30 PM: Wrap-up and Report Preparation

Closing Meeting Minutes

Date: 20th July 2019

Time: 5:00 PM

Venue: SJCE Board Room

Auditors:

Prof(Dr) T V Suresh Kumar, Auditor

Prof(Dr) Asha Rajiv, Auditor

Participants:

IQAC members and HoD's of all departments

Prof. Hara Prasad, Deputy Registrar

Agenda:

1. Welcome and Introductions
2. Recap of Audit Objectives and Scope
3. Presentation of Audit Findings and Observations
4. Discussion of Recommendations and Action Plans
5. Questions and Comments from Participants
6. Acknowledgment and Appreciation

Meeting Minutes:

1. Welcome and Introductions

- The meeting was called to order by the Principal

2. Recap of Audit Objectives and Scope

- The audit objectives and scope were briefly reviewed to ensure a common understanding among the participants

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3. Presentation of Audit Findings and Observations

- The auditors presented their findings and observations based on the audit procedures conducted.
- Key areas of strength and areas requiring improvement were highlighted.
- The auditors provided supporting evidence and documentation to substantiate their findings (Annexure -3)

4. Discussion of Recommendations and Action Plans

- Recommendations for improvement were discussed, focusing on specific actions that could address the identified areas for improvement.
- Participants provided input and suggestions regarding the proposed action plans.
- Responsibilities and timelines for implementing the action plans were assigned.

5. Questions and Comments from Participants

- Participants were allowed to ask questions, seek clarification, or provide additional comments regarding the audit findings, recommendations, or action plans.

6. Acknowledgment and Appreciation

- The auditors expressed their appreciation to the institution representatives for their cooperation and assistance throughout the audit process.
- The institution representatives acknowledged the efforts of the audit team and expressed their commitment to implementing the recommended improvements.
- The meeting was adjourned by the Principal

Annexure-3

General observations:

The AAA expert Committee at the outset appreciated the excellent progress made by the various departments of the University.

The following are the suggestions and observations of the AAA committee:

- Overall the pedagogic and examination processes are progressing smoothly. However, care should be taken to maintain overall quality and parity of curriculum designing. Emphasis should be laid on the introduction of more courses with relevance to cross-cutting issues.
- It is recommended that representatives from industries and other prospective employers be consulted or to be a part of the Board of studies while framing the curriculum.
- The mechanism for collecting student feedback for courses is in place and managed by IQAC. The student feedback should be analysed and discussed in the departmental meetings.
- A system for overseeing the quality of add-on courses should be implemented and introduced across departments if not already in place.

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- A structured mechanism of consultancy and collaboration in all departments needs to be developed.
- Non-Ph.D. teachers should be encouraged and facilitated to enroll for Ph.D. and pursue doctoral research. Teachers with Ph.D. degrees should be motivated to take up research projects and receive research grants from various government agencies and industries.
- Performance-based incentives to faculties for R and D work will motivate faculty and will increase their contributions to journal publications and book writing.
- Overall, publications from the University have been good in numbers in many departments. Faculty members need to be motivated to publish papers in Scopus or Web of Science journals to improve citations and visibility.
- All departments need to highlight the PO, PSO, and LO of their programs.

SPECIFIC DETAILS FOR EACH DEPARTMENT

Department of Mechanical Engineering

Established in 1963, the Department of Mechanical Engineering offers both undergraduate and postgraduate programs, including a B.E. in Mechanical Engineering with an intake of 120 students and an M. Tech in Maintenance Engineering with an intake of 12 students. The department also provides a research program leading to a Ph.D.

With a focus on academic excellence, the department boasts qualified and experienced faculty, including 7 with doctoral degrees. Faculty members have collectively published over 300 research articles in reputable journals and conference proceedings. The department encourages students to pursue internships in renowned organizations to enhance their knowledge in advanced areas of mechanical engineering, leading to a commendable placement record.

As of the academic year 2018-19, the student strength in the department was 396, with 382 male students and 14 female students in the B.E. program. The faculty strength consists of 18 permanent members (16 with government grant-in-aid) and 8 temporary members (2 females, 6 male). There are 30 research scholars under guidance, with 2 Ph.D. degrees awarded.

In terms of research publications, the department has 10 articles indexed in Scopus/Web of Science, and there is ongoing consultancy work with Mysore Milk Union Limited, generating Rs. 64,805. While there are currently no patents, the department actively engages in resource mobilization through various avenues.

In the realm of placements, 50 students were successfully placed. The department has organized three faculty development programs (FDP) and attended seven FDPs. However, there are no capacity-building programs organized. Additionally, there are no guest lectures organized or delivered, and no awards or recognitions have been received.

Best practices in the department include encouraging students to undertake projects and participate in national and international competitions like SAE-AEROJC and SAE BAJA. Looking ahead, the department plans to focus on student internships, MOOCs/SWAYAM courses, and establishing a Memoranda of Understanding (MoUs) with reputed industries.

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Department of Information Science & Engineering

Established in 2000, the Department of Information Science & Engineering (ISE) offers a dynamic academic environment with two undergraduate programs, B.E. in Information Science and Engineering (ISE) initiated in 2000, and a B.E. in Computer Science & Business Systems (CSBS) launched in 2019. Additionally, the department provides two postgraduate programs, an M. Tech in Software Engineering introduced in 1995, and an M. Tech in Data Science initiated in 2017. Notably, the department maintains a strong placement record, surpassing 90%.

During the academic year 2018-19, the student distribution across courses was as follows:

- B.E. in ISE: 54 students (19 females, 35 male)
- M. Tech in Software Engineering (SE): 22 students (19 females, 3 male)
- M. Tech in Data Science (DS): 17 students (12 females, 5 male)

The faculty comprises 15 members, with 6 females and 8 males as permanent faculty members. Among them, 8 faculty members hold Ph.D. degrees, while 7 are pursuing Ph.D. A total of 8 faculty members serve as guides for research scholars.

The department has a noteworthy research output with 14 publications indexed in Scopus/Web of Science and one in books, book chapters, or conference proceedings. Furthermore, the department holds 2 published patents and 1 granted patent, reflecting its commitment to innovation.

In terms of placements, the department witnessed 60 students, with 54 successfully placed and 6 opting for higher studies. Active engagement is evident through attendance at 30 conferences and the organization of 2 workshops, with 17 FDPs/MDPs attended and 6 FDPs organized. The department has hosted 1 guest lecture and delivered 1, presented 22 papers and maintained a strong emphasis on academic excellence.

Best practices include highly qualified faculty with rich experience in Data Science, Machine Learning, and Computational Intelligence. Faculty members have collaborations with prestigious international universities, contributing to research articles with high citation indices. The department consistently organizes workshops, seminars, symposiums, and faculty development programs to stay abreast of emerging technologies.

The department's plans include curriculum up-gradation, enhancing the teaching-learning process, fostering joint research programs, and establishing a Memoranda of Understanding with institutions and industries. These initiatives underscore the commitment to continuous improvement and staying at the forefront of technological advancements

Department of Electronics and Instrumentation Engineering

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Established in 1978 and later renamed Electronics and Instrumentation in 2014, the department offers a B.E. in Electronics and Instrumentation Engineering and an M.Tech. in Biomedical Signal Processing and Instrumentation. The department is equipped with state-of-the-art facilities catering to the needs of undergraduate, postgraduate, and research programs.

Programs Offered:

- B.E. in Electronics and Instrumentation Engineering
- M.Tech. in Biomedical Signal Processing and Instrumentation

Infrastructure: The department provides well-equipped laboratories in Electronic Circuits, Instrumentation, Process Control, Microcontrollers, IoT, Biomedical Instrumentation, VHDL, and DSP. Additionally, it offers robust computing facilities, ensuring the delivery of quality technical education.

Library and Placements: The department houses a library enriched with relevant books. The campus placement record is excellent, with students excelling academically and securing positions in reputed companies.

Alumni: The department takes pride in its distinguished alumni who have achieved outstanding success in their careers globally.

- B.E. in Electronics and Instrumentation Engineering: 227 students (109 females, 118 male)
- M.Tech. in Biomedical Signal Processing and Instrumentation: 14 students (14 females, 0 male)

Faculty: The department boasts well-experienced and dedicated faculty, with seven holding doctorates and four pursuing Ph.D. The faculty's expertise spans various domains, contributing to the department's academic and research excellence.

Faculty Strength:

- Permanent Faculty Members: 12 (4 females, 8 male)

Research Focus: A well-focused research center concentrates on recent advancements in Medical Image Analysis, Real-time Signal Processing, Speech, and Biomedical Signal Processing.

Research Scholars:

- Ph.D. Awarded: Nil
- Under Guidance: 4
- Faculty with Ph.D.: 5
- Faculty pursuing Ph.D.: 2
- No. of faculty as Guides: 2

Research Publications:

- Journals: 6

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- Notable Publications: ECG device design, diabetic foot ulcer tissue detection, speech reconstruction for speech-impaired persons, EEG-based mental fatigue detection, and more.
- Scopus / Web of Science: Notable publications in Current Medical Imaging, Indian Journal of Public Health Research & Development, Journal of Clinical Engineering, and more.

Book Chapter:

- Mallikarjunaswamy M S et al., "Detection of Menisci Tears in Sports Injured and Pathological Knee Joint using Image Processing Techniques," in Lecture Notes in Computational Vision and Biomechanics.

Conferences:

- Noteworthy presentations at national and international conferences on topics such as ECG device development, arrhythmia analysis, rapid maxillary expansion appliance, and more.

These achievements reflect the department's commitment to academic and research excellence, preparing students for successful careers and contributing valuable research to the field. Ongoing efforts focus on improving consulting services, increasing the number of patents, and enhancing sponsored research and funding.

These future plans reflect the department's commitment to continuous improvement, staying at the forefront of technological advancements, and providing students with a well-rounded and industry-relevant education.

Department of Polymer Science and Technology

Established in 1987-88, the Department of Polymer Science and Technology (PST) holds the distinction of being the sole department in Karnataka offering engineering degrees in PST at the undergraduate, postgraduate, and Ph.D. levels. The department is committed to outcome-based education, focusing on polymeric materials to provide the scientific foundation needed for engineering skills in areas such as chemistry, synthesis, compounding, processing, testing, characterization, recycling, design, and research.

Academic Programs: The department offers BE in Polymer Science and Technology, M. Tech. in Polymer Science and Technology, M. Tech. in Material Science and Engineering, and Ph.D. programs.

Infrastructure and Collaborations: PST houses state-of-the-art laboratories and engages in industrial collaborative activities, garnering recognition for its significant research contributions. The department maintains strong ties with various industries, including JK Tyre Industries Ltd., MYPOL, Triton Valves Ltd., SABIC, LM wind powers, Schnieder Electric India, Steer Engineering, Indo-MIM, Reliance Industries Ltd., etc. It has signed MOUs with prestigious institutions and companies like JSS International University, Indian Rubber

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Institute, Toyoda Gosei South India Pvt. Ltd., Asian Polymers, M/s. Hollingsworth & Vose Advanced Materials (India) Private Limited, and M/s Ujwal Industrial Corporation.

Student Strength:

- BE in PST: 107 students (61 females, 46 male)
- M. Tech in MSE: 15 students (5 females, 10 male)
- M. Tech in PST: 3 students (2 females, 1 male)

Faculty Strength:

- Permanent Faculty Members: 8 (4 females, 4 male)
- Visiting Faculty Members: 2

Research Scholars:

- Ph.D. Awarded: 4
- Under Guidance: 4
- Total No. of Faculty with Ph.D.: 6
- Total No. of Faculty as Guides: 4
- Total No. of Faculty pursuing Ph.D.: 1

Research Publications:

- Scopus / Web of Science: 21

Resource Mobilization:

- Consultancy: ₹1,179,527.36/-

Details of Placements (Total Graduates):

- Total Number of Students Graduated: 37
- Total Number of Students Placed: 25
- Higher Studies: 11

Active MOUs:

- 6 MOUs with institutions and industries.

Conference, Workshop, and Training Programs:

- 8 FDPs / Workshops / Training Programs Organized
- 53 FDPs / Workshops / Training Programs Attended

Guest Lectures and Paper Presentations:

- Guest Lectures Organized: 7
- Guest Lectures Delivered: 11
- Papers Presented: 33

Best Practices:

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- Cordial interaction with Industries
- Industry-based projects for UG and PG students
- Alumni interaction with current students

Future Plans:

- Establishment of a Center of Excellence
- Enhancements in research work and project proposals to funding agencies

Department of Mathematics

The Department of Mathematics at JSS Science and Technology University, Mysuru, was established in 1963 at Sri Jayachamarajendra College of Engineering, initially addressing the needs of UG and PG Engineering Mathematics. In the academic year 2018-19, the department introduced the M.Sc. (Mathematics) program, marking a significant expansion. With a distinguished faculty of 12 members, five of whom hold Ph.D. degrees, the department is actively involved in diverse areas of mathematical research, including Number Theory, Complex Analysis-Univalent function theory, Discrete Mathematics, Algebraic Graph Theory, Differential Geometry, and Real Functions. The senior faculty members contribute to prestigious national and international journals as reviewers and editorial board members, and collaborations with other reputable institutions in India and abroad are prevalent.

Faculty Strength:

- Permanent Faculty Members: 8 (3 Female, 5 Male)
- Temporary Faculty Members: 4 (3 Female, 1 Male)

Research Scholars: No Ph.D. awarded or under guidance.

- Faculty with Ph.D.: 5
- Faculty pursuing Ph.D.: 1

Conferences, Workshops, and Training:

- Noteworthy events include a joint workshop on "Analysis of Biomedical Signals and their Mathematical Modeling" organized by the Department of Mathematics and the Department of Electronics and Instrumentation Engineering.

Faculty Development and Training:

- Participation in Professional Development Training for Heads of Institutions by Dr. T. D. Roopamala.

Future Plans:

The department outlines short-term goals to enhance research profiles, improve programs, and conduct capacity-building programs. Long-term objectives include attracting talented students, strengthening collaborations, meeting global standards in syllabus and curriculum, initiating

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new undergraduate programs, and fostering interdisciplinary programs within JSS Science and Technology University, Mysuru.

Department of Environmental Engineering

The Department of Environmental Engineering had its inception in 1987 as the Centre for Environmental Science and Technology (CEST), emerging as an offshoot of Civil Engineering. Initially established with a humble beginning, the department aimed to promote and introduce a new program in Environmental Engineering to address the societal needs of the developing landscape. With financial support from CPHEEO, Ministry of Urban Development, Govt. of India, New Delhi, the department initiated B.E. (Civil and Environmental Engineering) and M.Tech. (Environmental Engineering) programs under the CEST umbrella.

In 1993, the Government of Karnataka granted the department the status of grant-in-aid, marking its transition into a fully-fledged academic and research department. Both the Undergraduate and Postgraduate Programs in Environmental Engineering received accreditation from the National Board of Accreditation (NBA) of AICTE, New Delhi. The department expanded its offerings in 2009 by introducing a cross-disciplinary master's program in Health Science and Water Engineering, a collaborative effort with the Government of France.

Student Strength:

- B.E.- Environmental Engineering: 203 students (149 Female, 54 Male)
- M.Tech.- Environmental Engineering: 37 students (23 Female, 14 Male)
- M.Tech.- Health Science and Water Engineering: 18 students (11 Female, 7 Male)
- Ph.D.- Environmental Engineering: 3 students (Male)

Faculty Strength:

- Permanent Faculty Members: 15 (5 Female, 10 Male)
- Visiting Faculty Members: 3 (2 Female, 1 Male)

Research Scholars:

- Ph.D. Awarded: 4
- Under Guidance: 3
- Total faculty members: 18
- Faculty with Ph.D.: 9
- Faculty pursuing Ph.D.: 5
- No. of faculty as Guides: 9

Research Publications:

- Total: 12
- Scopus / Web of Science: 5
- Books/ Book Chapters/ UGC/Papers in Conference Proceedings: 4

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Resource Mobilization:

- Consultancy Projects: 5

Conference and Workshop Activities

- Workshop Organized: "Fecal Sludge Management" in collaboration with Consortium for DEWATS Dissemination Society, Bangalore.
- Best Paper Award: Savitha Ulavi won the Best Paper Award in the International Conference on the Impact of Global Atmospheric Changes on Natural Resources (IGACNR).

Faculty Achievements:

- Dr. Sadashiva Murthy B.M holds various memberships and fellowships in prestigious organizations.
- Dr. B. Manoj Kumar serves as a Member of the Board of Governors of MLV Textile and Engineering College, Bhilwara, Rajasthan, and is associated with several committees and authorities.

Future Plans:

- Establishing MoUs with Industry.
- Enhancing Industry-Institute Interaction.
- Conducting Field/Industrial Visits.

Best Practices:

- Regular departmental faculty meetings.
- Organizing activities for World Environmental Day.
- Conducting Swachhta activities.

Department of Biotechnology

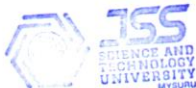
The Department of Biotechnology, established in 2002, is dedicated to providing comprehensive education in the integrated fields of Biotechnology. The range of courses offered by the department spans from foundational classes at the bachelor's level to advanced programs at the master's and doctoral levels. Focusing on technical and innovative excellence, the department's faculty is proud of its academic prowess.

The curriculum, meticulously designed by renowned academicians in collaboration with industry experts, stays abreast of the latest developments in the field. The department has a distinctive commitment to educating a diverse spectrum of students, including undergraduates, postgraduates, and research scholars. Initially offering B.E. Biotechnology for 30 students in 2002, the department has expanded its offerings to include M. Tech and Ph.D. programs.

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Graduates and scholars from the Department of Biotechnology find excellent placement opportunities globally, predominantly abroad, and are highly sought after in industries, academia, and research institutions. The pioneering outcome-based curriculum, developed as an autonomous institution under the World Bank initiative of the Technical Education Quality Improvement program, has set a benchmark for other Biotech institutions across the country.

Accredited thrice by the National Board of Accreditation (NBA), the department boasts highly qualified and experienced faculty actively engaged in both academics and research. The core research areas include Medical Biotechnology, Microbial Biotechnology, Chemical Biology, Cancer Biology, Plant and Animal Biotechnology, Nanobiotechnology, Microbial, and Plant Metabolites, Insilco Drug Designing, Biofuel Technology, and Bioprocess Technology.

During the academic year 2018-2019, the department had a student strength of 106 in B.E. Biotechnology and 8 in M. Tech Biotechnology. The faculty comprises permanent, temporary, and visiting members, with a total of 6 permanent faculty members. The department has a strong research culture, with 2 Ph.D. degrees awarded and 10 research scholars under guidance.

In terms of research publications, the department has contributed to 9 Scopus/Web of Science publications and 1 book or book chapter. While no patents have been published, granted, or commercialized, the department actively engages in resource mobilization through consultancy.

Placement details for the final year students during 2018-2019 indicate that out of 29 students, 10 were placed in companies or the government sector, and 14 pursued higher studies. The department follows best practices such as setting high expectations, encouraging student-faculty interaction, promoting reciprocity and cooperation among students, emphasizing active learning with advanced teaching tools, providing prompt feedback, and emphasizing timely task completion with total quality management

Department of Construction Technology

The Department of Construction Technology and Management, established in 2004, is equipped with cutting-edge facilities to cater to the needs of undergraduate students, postgraduate students, and research scholars. The department focuses on fostering innovation, research, and entrepreneurial thinking among its students. Graduates from the Construction Technology and Management (CTM) program have been successfully placed in industry, academia, and government sectors.

The department offers a two-year M. Tech Program in Infrastructure Engineering and Management since 2018. The faculty members, with expertise in structural engineering, materials, construction technology and management, and building services, along with well-equipped laboratories, contribute to the interdisciplinary research culture in the department.

Student Strength (Academic Year 2018-19):

- B.E, CTM: Female - 52, Male - 54, Total - 106

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- M.Tech, IEM: Female - 07, Male - 13, Total - 20

Faculty Strength: 2018-2019:

- Permanent Faculty Members: Female - 02, Male - 08, Total - 10
- Members: Female - 01, Male - 01, Total - 02

Ph.D. Awarded:

- SATHISH R, civil engineering, Dr.P s Raghu Prasad, A study on Blended with ordinary Portland cement composites in the marine environment - Experimental Approach, 2012-2018, Yes (Recognized as a Research Guide for Ph.D./D.M/M.Ch./D.N.B Super specialty/D.Sc./DLit - VTU)

Under Guidance:

- H G Vivek Prasad, Jan 2019, University Entrance Test, JSSSTU
- H N Rajendra Prasad, Jan 2019 University Entrance Test, JSSSTU

Faculty Statistics:

- Faculty Members with Ph.D.: 03
- Faculty Pursuing Ph.D.: 07
- Faculty as Guides: 01

Resource Mobilization:

- The department actively engages in consultancy activities.
- Faculty and research scholars regularly apply for grants, fellowships, and project funding through government agencies. A Consultancy project for Rs29,500 was received during the year

Details of Best Practices:

- Active Learning Techniques:
- Problem-Based Learning (PBL)
- Hands-On Projects and Laboratories
- Integration of Technology:

Future Plan:

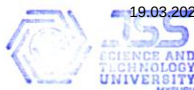
- Integration of Emerging Technologies (BIM, VR, AR)
- Sustainability and Green Building Practices
- Digital Project Management (Project Management Software, Data Analytics)
- Smart Infrastructure and IoT Integration

Department of Computer Applications

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The Department of Computer Applications was established in 1986 to design and offer MCA and BCA courses to produce skilled computer professionals aligned with the rapidly evolving field of computer applications. The department continuously strives to meet the computing needs of various sectors by providing specially designed courses and maintaining an updated curriculum to meet industry, research, and academic requirements.

Student Strength

- MCA: Female - 99, Male - 97, Total - 196
- BCA: Female - 13, Male - 25, Total - 38

Faculty Strength:

- Permanent Faculty Members: Female - 4, Male - 6, Total - 10

Research Scholars:

- Faculty members with Ph.D.: 4
- Faculty members pursuing Ph.D.: 6
- Faculty members with guideship: 4

Research Publications:

- 4 research papers published in renowned Scopus/Web of Science: journals.
- 10 contributions by faculty members in various conferences and journals.
- Various workshops on Agile Software Development, Industrial Internet of Things, Cloud Computing, and Data Analytics conducted.
- Faculty participation in multiple national and international conferences and workshops.

Details of FDPs/ other activities Organized:

- Faculty Development Programs on Deep Architecture Advances in Machine Learning and Statistical Analysis for AI framework development.
- Organization of state-level techno-cultural fests, Swatch Bharat Program, and poster-making events.
- Alumni lecture series, industry expert talks, and faculty-delivered guest lectures on various topics.

Department of Center for Management Studies

JSS Center for Management Studies (CMS) has been actively promoting and supporting research across various levels, including students, faculty, doctoral candidates, ideas incubation, and industry connections. The institution aims to foster innovative thinking and entrepreneurial spirit among students and research scholars early in their academic journey. The emphasis is on developing professional skills, encouraging a forward-looking mindset, and envisioning organizational goals.

During the academic year 2018-19, JSS CMS had a diverse student population across MBA specializations, with a robust faculty comprising permanent, temporary, and visiting members.

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The institution has successfully awarded Ph.D. degrees to several scholars and continues to guide faculty members pursuing their doctoral studies.

The faculty members, each with their unique qualifications and specializations, contribute to the academic and research excellence of JSS CMS. The institution has a significant number of faculty members with Ph.D. degrees, adding to the depth of expertise.

Research publications, including those in Scopus/Web of Science, books, book chapters, UGC papers, and patents, contribute to the scholarly output of JSS CMS. The institution relies on self-finance for resource mobilization, with no consultancy services reported.

The placement programs at JSS CMS have been robust, attracting hiring from top names in various industrial sectors.

Although there are currently no active Memorandums of Understanding (MoUs), the institution has a history of organizing and attending workshops, seminars, and conferences. Faculty members actively participate in Faculty Development Programs (FDPs) and Management Development Programs (MDPs) to enhance their skills and knowledge.

Best practices include innovation activities, mentorship programs, alumni entrepreneurial ventures, curriculum integration for sustainability, interdisciplinary approaches, and measurable outcomes in campus sustainability initiatives.

The institution's plans involve expanding its management programs with a focus on knowledge enhancement and research centers, increasing visibility, offering continuing education to working professionals, building stronger industrial relationships, and placing greater emphasis on student training and placements through faculty-industry interactions.

Department of Computer Science and Engineering

The department boasts a highly qualified faculty with an average teaching experience of 15 years. 40% of faculty members hold a Doctoral degree, while the rest are pursuing Ph.D. Faculty actively engages in research collaborations with international universities, notably Deakin University, Australia, and Duy Tan University, Vietnam. The department offers broad thrust areas for research aspirants.

An average of 20 research papers are published annually in peer-reviewed journals by both faculty and students. Conducted 6 Global Initiative of Academic Networks (GIAN) programs with eminent international professors.

Placement and Industry Collaboration: Achieved a consistent placement record of more than 95%, with the highest package reaching 40 lakhs. The department conducts National Level Hackathon programs with industry collaborations. Encourages students to participate in technical and professional club activities, promoting overall development.

Innovation and Curriculum: Actively promote start-ups and innovation activities like Ideathon and Boot camps through government-funded projects. The curriculum is revised every four

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years by domain-specific faculties in consultation with industry experts to keep students updated on the latest technologies.

Student and Faculty Strength:

- BE 1st-year students: 175 (50 females, 125 males)
- M.Tech 1st-year: 14. (11 females, 3 males)

Faculty strength:

- 27 permanent members of which 15 are female, and 12 are male.

Research and Publications: Currently, no Ph.D. has been awarded, but 6 are under guidance with 6 faculty acting as guides. Published 45 research papers and 4 book chapters in the 2018-19 academic year.

Placements and Industrial Relations: On-campus placement 119

Academic Activities and Collaborations:

- Active participation in 11 conferences in 2018-19, with 2 organized conferences.
- 16 Faculty Development Programs (FDP) and 2 GIAN programs were organized in the same period.

Best Practices:

- Linux Campus Club (LCC): A non-profit organization spreading awareness about free and open-source software among students. Conducts sessions, workshops, and talks by open-source community members.
- Google Developer Student Clubs: A community for students interested in Google developer technologies. Promotes peer-to-peer learning, workshops, and real-world problem-solving.

Department of Industrial and Production Engineering

The Industrial and Production Engineering Department, established in 1980 under JSS Mahavidyaapeetha, has evolved into a premier institution with a remarkable trajectory of growth. Transforming into a grant-in-aid department in 1983, it has consistently excelled in student intake, infrastructure development, and academic achievements.

Academic Strength and Faculty Excellence:

- With an intake of over 60 students, the department is known for its highly qualified faculty and excellent infrastructure. Specialized laboratories such as CAD/CAM, Software Applications, Metrology, and Industrial Engineering facilitate academic and research activities.

Accreditations and Research Achievements:

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- The department boasts three accreditations from the National Board of Accreditation (NBA). It has produced 6 Ph.D. graduates, with 4 research scholars currently pursuing their Ph.D. The faculty, comprising 7 members, includes 4 with Ph.D. credentials and 4 serving as research guides.

Industry Placements and Alumni Success:

- The students' placement record is exemplary, with graduates securing positions in prestigious organizations like Mercedes Benz, Toyota, Robert Bosch, TVS, RR Donnelley, Schneider Electric, TCS, and Accenture. The department actively encourages internships, extracurricular activities, and innovative projects.

Research Publications and Patents:

- The department has made strides in research with 5 publications in Scopus/Web of Science. While no patents have been granted or commercialized, the commitment to scholarly activities is evident.

Resource Mobilization and Collaborations:

- The department received an AICTE MODROB grant of Rs. 11,00,000/- in 2018-19 for modernizing the Computer-Aided Design Laboratory. Currently, there are no active Memoranda of Understanding (MoUs).

Academic Events and Engagements:

- The department organized and attended one conference, conducted 13 Faculty Development Programs (FDP/MDP), and delivered 3 guest lectures. Faculty members presented 15 papers, and Dr. Skanda M G contributed to the Doctoral Colloquium "Vishleshan 2019" at IIT Kharagpur.

Best Practices and Achievements:

- The department is recognized for its innovative courses like IP530 (Problem Solving in Product Design and Manufacturing) and IP720 (Plant Layout and Design). Additionally, receiving the MODROBs grant for the modernization of the Computer-Aided Design Laboratory reflects its commitment to staying technologically current.

Future Plans:

- The department looks ahead with a proposal to introduce postgraduate courses, further strengthening its commitment to academic excellence and contributing to the field of Industrial and Production Engineering

Department of Chemistry

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Established in 1963 as a part of SJCE, the Department of Chemistry has evolved into a hub of academic excellence, offering Engineering Chemistry for Bachelor of Engineering across all branches, and Master of Science (M.Sc.) and Doctoral programs in Chemistry. The department boasts highly qualified faculty, state-of-the-art infrastructure, and a commitment to academic, industry, and research-oriented programs.

Academic Offerings and Core Modules:

- The M.Sc. Chemistry program encompasses Analytical Chemistry, Organic Chemistry, Inorganic Chemistry, and Physical Chemistry. The department excels in academic teaching, research, and industry interaction, establishing fruitful relationships with nearby institutions.

Infrastructure and Research Focus:

- The department's teaching and research laboratories are equipped with sophisticated instruments to meet student needs. Research output is substantial, with 18 researchers registered for the Ph.D. program, 9 awarded, and ongoing research in areas like synthetic organic chemistry, computational chemistry, green chemistry, Nano chemistry, biosensors, and more.

Industry Collaboration and Sponsored Research:

- A significant number of industries are associated with the M.Sc. Chemistry program, emphasizing its relevance in the industrial landscape. Sponsored research projects are conducted through funding from agencies such as the University Grants Commission (UGC), Department of Atomic Energy-Board of Research in Nuclear Science (DAE-BRNS), and Vision Group of Science and Technology (VGST).

Student and Faculty Strength:

- During the academic year 2018-19, the M.Sc. Chemistry program had 30 students. The faculty includes 7 permanent members, 4 temporary members, and a mix of 7 Ph.D. holders and 4 faculty members pursuing Ph.D. The department has produced 1 Ph.D. graduate and currently guides 6 research scholars.

Research Publications and Patents:

- The department has an impressive publication record with 26 research papers in Scopus/Web of Science. While there are no patents published or granted, the emphasis on research and innovation is evident.

Placements and Future Plans:

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- In 2018-19, 10 out of 15 students were placed, and 3 pursued higher studies. The department actively organizes and participates in conferences, workshops, and Faculty Development Programs (FDP/MDP). Notably, the department has a best practice of providing industry internships for M.Sc. Chemistry students.

Awards, Recognition, and Future Endeavours:

- The department received recognition for its outstanding contributions, including an award. Future plans include proposing a Center for Excellence with consolidated instrumentation facilities and initiating B.Sc. / B.Sc. Honors programs by the academic year 2024-2025. The Department of Chemistry continues to thrive as a center for academic and research excellence, poised for further growth and contributions to the field of Chemistry.

Department of Physics

The Department of Physics was established in 1963 along with the institution. The primary focus of the department includes teaching, research, and organizing workshops and seminars. It is recognized as a research center by VTU, Belagavi, and JSSS & TU, Mysuru.

Academic Activities:

- The department is actively involved in imparting education in Basic Science, covering both theoretical concepts and practical experiments. The objective is to build a strong foundation for engineers to apply material science concepts in real-world applications.

Infrastructure:

- The department is located on the first floor of the AB block, with a lab spread over 40×70 ft. accommodating around 40 students simultaneously. An additional lab of 20×20 ft. is also in use, providing facilities for students to conduct experiments related to basic science principles.

Faculty Strength:

- Permanent Faculty Members: 3 females, 2 males (Total: 5)
- Temporary Faculty Members: 2 females (Total: 2)

Research Scholars:

- Faculty Members: 7
- Faculty with Ph.D.: 2
- Faculty pursuing Ph.D.: 3
- Faculty acting as Guides: 2

Research Publications:

- Scopus/Web of Science: 1

Future Plans:

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- To enhance research activities.
- Introduce electives in higher semesters of BE.
- Plan to initiate a PG program in the future.

Department of Electrical and Electronics Engineering

The Department of Electrical and Electronics Engineering, established in 1963, offers undergraduate and postgraduate programs, including M.Sc. Engineering by research and Ph.D. programs. The department focuses on providing a platform for research in cutting-edge technologies, with sponsorship opportunities for working professionals from KPTCL in the PG program.

Academic Programs:

- The department has a well-defined curriculum aligned with current industry needs. It offers consultancy services in energy audits for other institutions and public sectors. The laboratories, including a specialized High Voltage Engineering research lab, support academic programs. Two laboratories in Energy Management and Industrial Automation were set up in collaboration with Schneider Electric. The Power Electronics Lab has recently been modernized under the MODROB scheme sponsored by AICTE.

Student Strength (AY 2018-19):

- Undergraduate Program (Electrical and Electronics Engineering): 101 females, 154 males (Total: 255)
- Postgraduate Program (Energy Systems and Management): 18 females, 13 males (Total: 31)

Faculty Strength:

- Permanent Faculty Members: 9 females, 4 males (Total: 13)
- Temporary Faculty Members: 4 females (Total: 4)
- Visiting Faculty Members: 1 male (Total: 1)

Research Scholars:

- Ph.D. Awarded: 1
- Total faculty members: 18
- Faculty with Ph.D.: 4
- Faculty pursuing Ph.D.: 4
- No. of faculty as Guides: 4

Research Publications:

- Books/Book Chapters/UGC/Papers in Conference Proceedings: 5
- Published: 1

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- Granted: 1

Placements: UG: 45

Conference/Workshops:

- SDP/Workshops Organized: 6
- Conference attended: 1
- Workshop/FDP attended: 40

Guest Lectures:

- Organized: 3
- Delivered: 2

Best Practices:

- NPTEL/SWAYAM Certification by students and Faculty.
- Academia-Industry/Research Organization Association.

Future Plans:

- Advance research in wireless communication protocols and artificial intelligence.
- Prioritize publishing research papers and delivering presentations at conferences.
- Actively participate in curriculum development to align courses with industry trends and technological advancements, integrating practical examples into teaching materials

Department of Electronics and Communication Engineering

The Department of Electronics and Communication Engineering, established in 1968, offers a comprehensive academic program including an undergraduate degree in Electronics and Communication Engineering, along with three postgraduate programs: M.Tech in Industrial Electronics, M.Tech in Network and Internet Engineering, and M.Tech in Automotive Electronics. Additionally, the department provides a Ph.D. program, facilitating research in cutting-edge technologies. The faculty consists of well-qualified teaching and technical staff, contributing to a recognized center under the Quality Improvement Program (QIP) of the Government of India.

Curriculum Design

- The curriculum, designed meticulously, emphasizes both analytical and technological aspects of Electronics and Communication Engineering. Students are encouraged to engage in mini-projects, hone communication skills, pursue internships, and participate in national and international design contests and cultural events. The BE program at SJCE, JSSSTU, is highly sought after, boasting a stellar placement record with nearly 100% of eligible students securing positions in top companies.

Infrastructure

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- The department actively supports higher education and entrepreneurship, evidenced by a vibrant IEEE student chapter organizing national-level competitions and events. Specialized labs, such as Nano Dielectric and Devices Lab, Visual TCAD and Research Lab, and e-Yantra Lab, provide space for experimental investigations and project implementation.

Student Strength

- During the academic year 2018-19, the student body comprised 30 female and 79 male students, while the faculty included 13 females and 16 male permanent members. Research efforts were led by experienced faculty members, guiding several Ph.D. scholars. The department showcased a strong research output with 18 publications in Scopus/Web of Science and 53 in books, book chapters, and conference proceedings. Two patents were published, and the department mobilized resources through consultancy amounting to Rs. 68065.

Placement statistics

- Placement for 2018-19 revealed that out of 124 students, 115 secured placements. The department actively engages in industrial collaborations and has one active Memorandum of Understanding (MoU). Events such as the IEEE 2nd Mysore Sub Section International Conference (MysuruCon) in 2022, 14 organized workshops, and 122 attended workshops contribute to the department's academic vibrancy. Additionally, four guest lectures were organized, and two were delivered. The department has received recognition through awards like the Best Paper Award and Best Researcher Award.

Best Practices

- Best practices in the department include the Design and Implementation Laboratory, Student Mentoring, Hardware and Simulation Laboratory, and the encouragement of bright students to publish. Future plans include strengthening ties with industries in Automotive, Space, and Semiconductor technology, and modernizing basic laboratories for the undergraduate curriculum.

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Educate Elevate Enlighten

JSS Mahavidyapeetha
JSS Science And Technology University
 (Established Under JSS Science and Technology University Act No. 43 of 2013)
 (Formerly Known as SJCE)



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ACADEMIC & ADMINISTRATIVE AUDIT (AAA) FOR THE ACADEMIC YEAR 2018-19

ACTION TAKEN REPORT

The following are the observations and recommendations of the Academic and Administrative audit which was held on 19th July 2019

General observations:

The AAA expert Committee at the outset appreciated the excellent progress made by the various departments of the University.

The following are the suggestions and observations of the AAA committee:

- Overall the pedagogic and examination processes are progressing smoothly. However, care should be taken to maintain overall quality and parity of curriculum design. Emphasis should be laid on the introduction of more courses with relevance to cross-cutting issues.
- It is recommended that representatives from industries and other prospective employers be consulted or be a part of the Board of Studies while framing the curriculum.
- The mechanism for collecting student feedback for courses is in place and managed by IQAC. The student feedback should be analysed and discussed in the departmental meetings.
- A system for overseeing the quality of add-on courses should be implemented and introduced across departments if not already in place.
- A structured mechanism of consultancy and collaboration in all departments needs to be developed.
- Non-Ph.D. teachers should be encouraged and facilitated to enroll for Ph.D. and pursue doctoral research. Teachers with Ph.D. degrees should be motivated to take up research projects and receive research grants from various government agencies and industries.
- Performance-based incentives to faculties for R and D work will motivate faculty and will increase their contributions to journal articles and book writing.
- Overall, publications from the University are not in numbers in many departments. Faculty members need to be motivated to publish papers in Scopus or Web of Science journals to improve citations and visibility.

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- All departments need to highlight the PO, PSO, and LO of their programs.

The following are the action taken report of the Academic and Administrative audit which was held on 19th July 2019.

Addressing the recommendations provided, the institution has taken a series of strategic actions to improve the overall quality of education, curriculum design, research endeavors, and collaboration mechanisms. This report outlines the initiatives undertaken in response to the identified areas for improvement.

Curriculum Quality Enhancement:

A comprehensive review of the curriculum design process has been initiated to ensure the maintenance of overall quality and parity. Emphasis has been placed on introducing more courses that address cross-cutting issues, providing students with a well-rounded education.

Industry Collaboration in Curriculum Framing:

Representatives from industries and prospective employers have been actively engaged in the Board of Studies to contribute to curriculum framing. This collaborative approach ensures that the curriculum aligns with industry needs and provides students with practical skills and knowledge.

Enhanced Student Feedback Mechanism:

The existing mechanism for collecting student feedback has been reinforced, and managed by the Internal Quality Assurance Cell (IQAC). Recommendations emphasize the analysis and discussion of student feedback in departmental meetings to implement improvements effectively.

Quality Oversight for Add-On Courses:

A system for overseeing the quality of add-on courses has been implemented across departments. Regular reviews and assessments are conducted to ensure the relevance and effectiveness of these supplementary courses in enhancing students' skill sets.

Structured Consultancy and Collaboration Mechanism:

A structured mechanism for consultancy and collaboration has been developed across all departments. This involves the establishment of expert groups and committees to facilitate effective communication and collaboration among faculty members and external stakeholders.

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Facilitating Ph.D. Enrolments for Non-Ph.D. Teachers:

Non-Ph.D. teachers are actively encouraged and facilitated to enroll in Ph.D. programs. Initiatives include providing financial support, mentorship programs, and flexible schedules to accommodate doctoral research.

Motivation for Ph.D. Degree Holders:

Faculty members with Ph.D. degrees are motivated to take up research projects and receive research grants from various government agencies and industries. Incentive programs and recognition schemes are introduced to acknowledge and reward their contributions.

Performance-Based Incentives for Research and Development (R&D):

A performance-based incentive system has been implemented to motivate faculty members for R&D work. This encourages increased contributions to journal publications, book writing, and overall research productivity.

Focus on High-Impact Publications:

Faculty members are being motivated to publish papers in Scopus or Web of Science journals to enhance citations and visibility. Training programs and resources are provided to assist faculty in achieving higher-impact publications.

Highlighting Program Outcomes:

All departments have been directed to highlight the Program Outcomes (PO), Program Specific Outcomes (PSO), and Course Learning Outcomes (LO) of their programs. This ensures transparency and alignment with accreditation standards.

To summarise the institution has proactively addressed the recommendations, implementing various measures to enhance educational processes, curriculum quality, research activities, and collaboration mechanisms. Continuous monitoring and periodic assessments will be maintained to ensure the sustained effectiveness of these initiatives.

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