



Minutes of the meeting of the 8th Academic Council.

The 8th meeting of the Academic Council of Dwarkadas J. Sanghvi College of Engineering of Shri Vile Parle Kelvani Mandal was held in the hybrid mode, on **Saturday, the 22nd of July 2023 at 11.00 a.m.**

The following members were present: -

1. Dr. Suresh Ukarande, Associate Dean, FoST, UoM & Principal, KJSIT, Mumbai, VC Nominee.
2. Prof. Shreerang Joshi, Head Pharmaceuticals Sciences, ICT, Mumbai, VC Nominee.
3. Dr. Suresh P. Deshmukh, Associate Dean, ICT, Mumbai, VC Nominee.
4. Dr. L. Ganapathy, Professor and Former Dean, NITIE.
5. Mr. Suresh Mhatre, Former Vice President, TCS.
6. Dr. Rahul Altekar, Director, SAP India Pvt. Ltd.
7. Dr. Manali J. Godse, Vice-Principal (Academic), DJSCE.
8. Dr. Sharad Mhaiskar, Pro Vice Chancellor, NMIMS (Deemed to be Univ.): (By invitation)
9. Dr. Jayantrao Patil, Director, R. C. Patel Institute of Technology, Shirpur: (By invitation)
10. Dr R. P. Deore, Deputy Director, R. C. Patel Institute of Technology, Shirpur: (By invitation)
11. Dr. Prasad S. Joshi, HOD, Electronics Engineering.
12. Dr. Amit A. Deshmukh, HOD, Electronics & Telecommunication Engineering.
13. Dr. Meera Narvekar, HOD, Computer Engineering.
14. Dr. Vinaya Sawant, HOD, Information Technology.
15. Dr. K. N. Vijayakumar, HOD, Mechanical Engineering.
16. Prof. Rupali Karande, Associate Head, Chemical Engineering.
17. Dr. Kriti Srivastava, HOD, Computer Science and Engineering (Data Science).
18. Prof. T. D. Biradar, Associate Head, Electronics & Telecommunication Engineering.
19. Dr. Atul Dhale, Professor, Mechanical Engineering.
20. Dr. Trupti Paradkar, Associate Professor, Applied Chemistry and F.E. Co-ordinator.
21. Ms. Alka Shukla, CoE, DJSCE-SVKM.
22. Dr. Rajendra Khavkar, TPO: (By invitation).
23. Prof. Sandeep Vaity, Associate Head, Production Engineering: (By invitation).
24. Dr. Narendra Shekokar, I/C Head, Computer Science and Engineering (IOT and Cyber Security with Block Chain Technology): (By invitation).
25. Dr. Aruna Gawade, I/C Head, Artificial Intelligence and Machine Learning: (By invitation).
26. Prof. Lakshmi Kurup, I/C Head, Artificial Intelligence (AI) and Data Science: (By invitation).
27. Dr. Hari Vasudevan (Chairman), Principal, DJSCE.

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

The Principal, Dr. Hari Vasudevan welcomed all the members to the 8th Academic Council meeting. He further thanked everyone for joining the meeting.

Item 2: To confirm the minutes of the meeting of the 07th Academic Council held on Wednesday, the 21st of December 2022 at 11.00 a.m.

The Principal, took up the minutes of the meeting of the 07th Academic Council held on Wednesday, the 21st of December 2022 at 11.00 a.m., the draft of which was sent to the members earlier with a request for suggestions /modifications and/or corrections, if any. Many of the members approved the minutes sent by mail then. He requested the



members to once again go through the same and enquired, if the minutes can be confirmed. The members unanimously approved and confirmed the minutes.

Item 3: To note and approve the start of the academic semester (August-January 2024) of various B.Tech. programs (First/Second/Third/Final year) and M.Tech. programs.

The Principal, then informed the members about the start of the academic semester (August-January 2024) of various B.Tech. programs (First/Second/Third/Final year) and M.Tech. programs. The details are as follows:

Sr. No.	Semester	Start Date	End Date	Oral/Practical Exam	End Sem Exam
1	Sem I, III, V and VII	21 st August 2023	9 th December 2023	11 th December 2023 – 19 th December 2023.	2 nd January 2024 to 13 th January 2024

The Principal mentioned that the college is hopeful that by the end of the upcoming academic year, everything should be back to normal and with the semester starting and ending on time, the students will get sufficient time for internship related activities. All the members then unanimously approved the schedule.

Item 4: To discuss and approve the adoption of NEP 2020 aligned curriculum (DJS23) from the A.Y. 2023-24 onwards.

The Principal, then informed the members about the implementation of NEP 2020 aligned curriculum in the institute. As per the directives given by the state government, Ministry of Higher and Technical Education, there is a need to implement the National Education Policy 2020 (NEP 2020) from the academic year 2023-24 onwards. He further stated that a cell, called the NEP Implementation Cell (NIC) has been constituted on the 06th of July, 2023 and that Dr. Prasad Joshi, Head of the Department of Electronics Engineering has been named the nodal officer for the implementation process, which is now in progress. Elaborate discussions and brainstorming was subsequently done to create the curricula for Sem I and Sem II. He then gave the members a summary of NEP 2020's main action points.

Dr. Ganapathy enquired, if it was possible to get into an Honors or Minors program in the first year. Dr. Shreerang Joshi mentioned that it wasn't possible until the second year of engineering, because a student needs a minimum 7.5 CGPA to get into an Honors or Minors program. Mr. Suresh Mhatre was concerned that the 20 credits per semester would be too much, and hence suggested adding subjects that are not related to engineering science, but are connected to the arts. He also pointed out that after the first year, giving a certificate program is pointless, unless some skill based subject is incorporated and same would be the case for a diploma course. He further opined that from the industry point of view, employability of the students will be an issue to be solved in such a case. Dr. J. B. Patil expressed his concern about diploma students admitted to 2nd year and giving them diploma at the end of the year. The Principal agreed with the above views and replied that at this point of time, focus is

on aligning the first year scheme with minimum 40-42 credits as per NEP G.R. issued by the Ministry of Higher & Technical Education, State Government of Maharashtra. Dr. Ukarande also agreed and said that the approach at this point should be to align the existing syllabus as per the NEP guidelines, as far as seven verticals are concerned. He mentioned that the scheme and the First Year syllabus is to be accordingly prepared and the approval from this academic Council members is to be sought. He further mentioned that the second year, third year and final year courses and syllabus can be decided later. The Principal concurred with him and sought the approval for the first year scheme and syllabus. He then requested Dr. Manali Godse to take the members through the details of the First Year scheme and syllabus. Dr. Godse then took the members through the scheme and syllabus of B.Tech. First Year Engineering Sem I & II (DJS23).

First Year – Basket of Courses

Course Code	Course Category	Sem I	Sem II	Total
DJS23FECBS1x	Basic Science Courses	8	8	16
DJS23FECEs1x	Engineering Science Courses	10	6	16
DJS23FETLL1x	Liberal Learning Courses	2	0	2
DJS23FECHS1x	Humanities Social Science and Management	0	5	5
DJS23FELVS1x	Vocational and Skill Enhancement Courses	1	0	1
Total credits				40

First Year, Sem I

Sr.	Course Code	Course	Teaching Scheme (hrs.)				Continuous Assessment (A) (marks)			Semester End Assessment (B) (marks)					(A+B)	Total Credits
			Th	P	T	Credits	Th	T/W	Total CA (A)	Th/Cb	O	P	O & P	Total SEA (B)		
Compulsory courses offered to all the Programs																
1	DJS23FECBS11	Mathematics - I	3	--	--	3	35	--	35	65	--	--	--	65	100	4
	DJS23FETBS11	Mathematics - I Tutorial	--	--	1	1	--	25	25	--	--	--	--	25		
2	DJS23FECEs11	Structured Programming using C	2	--	--	2	35	--	35	65	--	--	--	65	100	3
	DJS23FELES11	Structured Programming using C Laboratory	--	2	--	1	--	25	25	--	--	--	25	25	50	
		Total	5	2	1	7	70	50	120	130	0	0	25	155	275	7
Courses offered in Group A																
1	DJS23FECBS12	Physics	2	--	--	2	35	--	35	65	--	--	--	65	100	4
	DJS23FELBS12	Physics Laboratory & Tutorial	--	2	1	2	--	50	50	--	--	--	--	50		
2	DJS23FECEs12	Computational Engineering Mechanics	2	--	--	2	35	--	35	65	--	--	--	65	100	3
	DJS23FELES12	Computational Engineering Mechanics Laboratory	--	2	--	1	--	25	25	--	--	--	--	25		
3	DJS23FECEs13	Basic Electrical Engineering & Digital Electronics	2	--	--	2	35	--	35	65	--	--	--	65	100	4
	DJS23FELES13	Basic Electrical Engineering & Digital Electronics Laboratory & Tutorial	--	2	1	2	--	50	50	--	--	--	--	50		
4	DJS23FETLL11	Liberal Learning (Health and Wellness: Mind and Body Management)	--	--	2	2	--	25	25	--	25	--	--	25	50	2
		Total	6	6	4	13	105	150	255	195	25	0	0	220	475	13
Courses offered in Group B																
1	DJS23FECBS13	Chemistry	2	--	--	2	35	--	35	65	--	--	--	65	100	4
	DJS23FELBS13	Chemistry Laboratory & Tutorial	--	2	1	2	--	50	50	--	--	--	--	50		
2	DJS23FECEs14*	Engineering Graphics	2	--	--	2	35	--	35	65	--	--	--	65	100	3
	DJS23FELES14	Engineering Graphics Laboratory	--	2	--	1	--	25	25	--	--	--	--	25		
3	DJS23FECHS11	Effective Communication Skills	2	--	--	2	35	--	35	65	--	--	--	65	100	3
	DJS23FELHS11	Effective Communication Skills Laboratory	--	2	--	1	--	25	25	--	--	--	--	25		
4	DJS23FELVS11	Workshop Practices	--	2	--	1	--	25	25	--	--	--	--	25	50	1
5	DJS23FETHS12	Indian Knowledge System	--	--	2	2	--	25	25	--	25	--	--	25	50	2
		Total	6	8	3	13	105	150	255	195	25	0	0	220	475	13

First Year, Sem II

Sr.	Course Code	Course	Teaching Scheme (hrs.)				Continuous Assessment (A) (marks)			Semester End Assessment (B) (marks)					(A+B)	Total Credits
			Th	P	T	Credits	Th	T/W	Total CA (A)	Th/Cb	O	P	O & P	Total SEA (B)		
Compulsory courses offered to all the Programs																
1	DJS23FECBS21	Mathematics - II	3	--	--	3	35	--	35	65	--	--	--	65	100	4
	DJS23FETBS21	Mathematics - II Tutorial	--	--	1	1	--	25	25	--	--	--	--	25		
2	DJS23FECES21	Object Oriented Programming using Java	2	--	--	2	35	--	35	65	--	--	--	65	100	3
	DJS23FELES21	Object Oriented Programming using Java Laboratory	--	2	--	1	--	25	25	--	--	--	25	25	50	
		Total	5	2	1	7	70	50	120	130	0	0	25	155	275	7
Courses offered in Group A																
1	DJS23FECBS12	Physics	2	--	--	2	35	--	35	65	--	--	--	65	100	4
	DJS23FELBS12	Physics Laboratory & Tutorial	--	2	1	2	--	50	50	--	--	--	--	50		
2	DJS23FECES12	Computational Engineering Mechanics	2	--	--	2	35	--	35	65	--	--	--	65	100	3
	DJS23FELES12	Computational Engineering Mechanics Laboratory	--	2	--	1	--	25	25	--	--	--	--	25		
3	DJS23FECES13	Basic Electrical Engineering & Digital Electronics	2	--	--	2	35	--	35	65	--	--	--	65	100	4
	DJS23FELES13	Basic Electrical Engineering & Digital Electronics Laboratory & Tutorial	--	2	1	2	--	50	50	--	--	--	--	50		
4	DJS23FETLL11	Liberal Learning (Health and Wellness: Mind and Body Management)	--	--	2	2	--	25	25	--	25	--	--	25	50	2
		Total	6	6	4	13	105	150	255	195	25	0	0	220	475	13
Courses offered in Group B																
1	DJS23FECBS13	Chemistry	2	--	--	2	35	--	35	65	--	--	--	65	100	4
	DJS23FELBS13	Chemistry Laboratory & Tutorial	--	2	1	2	--	50	50	--	--	--	--	50		
2	DJS23FECES14*	Engineering Graphics	2	--	--	2	35	--	35	65	--	--	--	65	100	3
	DJS23FELES14	Engineering Graphics Laboratory	--	2	--	1	--	25	25	--	--	--	--	25		
3	DJS23FECHS11	Effective Communication Skills	2	--	--	2	35	--	35	65	--	--	--	65	100	3
	DJS23FELHS11	Effective Communication Skills Laboratory	--	2	--	1	--	25	25	--	--	--	--	25		
4	DJS23FELVS11	Workshop Practices	--	2	--	1	--	25	25	--	--	--	--	25	1	
5	DJS23FETHS12	Indian Knowledge System	--	--	2	2	--	25	25	--	25	--	--	25	50	2
		Total	6	8	3	13	105	150	255	195	25	0	0	220	475	13

Prof. Shreerang Joshi enquired about the program core courses (program specific) and suggested incorporating it in the 2nd semester for the benefit of students opting out for a certificate course. Dr. Suresh Deshmukh also suggested the same and asked to incorporate program specific core courses for respective branches. The Principal concurred with the view and mentioned that after discussing with different program heads (i.e., Chairpersons of various BOS) and the NEP Implementation Cell, the changes will be made and the details will be further sent to the members by email for their final approval the very next working day. Prof. Shreerang Joshi also suggested putting codes i.e., BSC, ESC, etc. as suggested in the GR.

Following that, the Principal also provided information on the remaining credits and tentative scheme in the disciplines of EXTC, IT, Computer and Mechanical Engineering from Sem III to Sem VIII for the reference of the members.

Please note: The final scheme & syllabus (Sem I & II) of the First Year B.Tech. program (DJS23), approved by the members is appended herewith (mail with the modified program core course & credits in each of the B.Tech. programs and all other details was sent to the members on Monday, 24th July 2023).



Item 5: To discuss and approve the proposals, approved and put forward by Boards of Studies of various B.Tech. programs for the A.Y. 2023-24 such as:

- To approve the scheme & syllabus of all B.Tech. programs (DJS22) - Sem III.
- To approve the scheme & syllabus of B.Tech. programs (DJ19), such as Artificial Intelligence and Machine Learning, Artificial Intelligence (AI) and Data Science as well as Computer Science and Engineering (IOT and Cyber Security with Block Chain Technology) – Sem V.
- To approve the scheme & syllabus (DJ19) of Computer Science and Engineering (Data Science) - Sem VII.
- Honours and Minor Degree programs (Sem V) being offered to students of Artificial Intelligence and Machine Learning, Artificial Intelligence (AI) and Data Science as well as Computer Science and Engineering (IOT and Cyber Security with Block Chain Technology) from the A.Y. 2023-24.
- Honours and Minor Degree programs (Sem VII) being offered to the students of all B.Tech. programs from the A.Y. 2023-24.

The Principal, then informed the members about the proposals, approved and put forward by various Boards of Studies for the A.Y. 2023-24. He requested the respective Chairpersons of various BOS to take the council members through the details of the same. Members also noted the details of the meetings of respective Boards of Studies conducted on the below mentioned dates and the items approved therein.

Sr. No.	Name of the Branch	Date	Highlights
1	Electronics and Telecommunication Engineering	21/04/2023	1. Scheme and Syllabus approved <u>Sem III & Sem IV</u> Autonomous Scheme (DJS22) 2. Syllabus approved for <u>Honors</u> and Minors program for <u>Sem VII</u> . 3. Syllabus approved for <u>Sem VII</u> (DJ19) (CSEDS) 4. Examiners panel approved for the forthcoming semesters 5. Approved the scheme of teaching and examination for Semester III to Semester VIII of the Autonomous scheme (DJS22) 6. Revised Program Specific Outcome statements approved. (EXTC)
2	Information Technology	15/04/2023	
3	Computer Engineering	25/03/2023	
4	Mechanical Engineering	14/03/2023	
5	Computer Science and Engineering (Data Science)	21/ 04/2023	
6	Artificial Intelligence and Machine Learning	04/05/2023	1. Syllabus approved for DJS22 <u>Sem III & DJ19 Sem V</u> and <u>Honors</u> 2. Examiners panel approved for the forthcoming semesters. 3. Approved Syllabus Scheme of DJ19 <u>Sem VI</u>
7	Artificial Intelligence and Data Science	01/06/2023	
8	Computer Science and Engineering (IoT and Cyber Security with Block Chain Technology)	30/05/2023	
9	Chemical Engineering	07/07/2023	Syllabus approved for <u>Honors</u> and Minors program for <u>Sem VII</u> .
10	Electronics Engineering	02/06/2023	

The members, after going through all the details and further discussions, unanimously approved the scheme and syllabus as well as the list of examiners in respective programs of the respective schemes, DJ19, DJS22 and DJS23.

Item 6: To note the report of regular examinations and a brief of the activities of the Examinations & Evaluation Committee (EEC) for the period January-June 2023.

Ms. Alka Shukla, CoE then briefed the members about the regular examination schedule as well as the examination results, details of which are as follows:



Examination Schedule and Report

EXAM	EXAM START DATE	EXAM END DATE	STUDENTS		INSTITUTE
			APPEARED	PASS	
B.TECH. SEM. III	19.01.2023	27.01.2023	928	885	95.37
B.TECH. SEM. V	03.01.2023	14.01.2023	752	723	96.14
B.TECH. SEM. VII	04.01.2023	13.01.2023	728	723	99.31
B.TECH. SEM. I	06.03.2023	13.03.2023	1046	984	94.07
B.TECH. SEM. IV	25.05.2023	06.06.2023	925	836	90.38
B.TECH. SEM. VI	24.05.2023	05.06.2023	752	702	93.35
B.TECH. SEM. VIII	24.05.2023	02.06.2023	659	653	99.09
B.TECH. SEM. II	24.07.2023	02.08.2023	Upcoming Exams		

Upcoming Examination Schedule

YEAR	TERM START DATE	TERM END DATE	ORAL / PRACTICAL EXAMINATION	END SEMESTER EXAMINATION
B. TECH SEM. II	03-04-2023	15-07-2023	17 th Jul 2023 – 22 nd Jul 2023	24 th Jul – 02 nd Aug 2023
M. TECH SEM. II	03-04-2023	15-07-2023	17 th Jul 2023 – 22 nd Jul 2023	24 th Jul – 02 nd Aug 2023
Re-exam B. TECH SEM. VIII	04-02-2023	13-05-2023	15 th May 2023 – 22 nd May 2023	24 th Jul – 28 th Jul 2023
Re-exam B. TECH SEM. IV & VI	04-02-2023	13-05-2023	15 th May 2023 – 22 nd May 2023	07 th Aug – 12 th Aug 2023

Item 7: To note and discuss the details of IQAC activities, conducted during the academic semester January-June 2023 as well as the academic progress and extra-curricular activities conducted during the period.

The Principal, then requested Dr. K. N. Vijayakumar to appraise the members about the various IQAC activities conducted during the academic semester Jan-Jun 2023. Dr. K. N. Vijayakumar briefed the members on the following points as well as put forward an action plan for the upcoming semester.

- ISTE approved one week Short Term Training Programme on “Advancements in Indian Manufacturing: Leveraging Industry 4.0 to Drive Growth and Innovation” was conducted from 24th June 2023 - 28th June 2023
- The College Internal Quality Assurance Cell (IQAC) in collaboration with the Department of Electronics and Telecommunication Engineering organized a 'One Day Trekking Trip' to Raigad Fort for faculty members on 08th of July, 2023.
- VAP Course on 'MATLAB- Mechanical Applications' was conducted.
- Continued efforts were made in encouraging faculty members and students for carrying out research publications/patents/design registrations/copyrights.
- DJSCE Admission committee conducted 15 counselling sessions for the benefit of F.Y. B.Tech. aspirants and parents in Seminar hall (capacity 120 students) from the 24th of May onwards.

Upcoming IQAC Activities planned for the Jul – Dec 2023 term.

- Upgradation of the curriculum to accommodate the requirements of NEP 2020.



- Co-ordinate the preparation of NBA reaccreditation for the 3rd cycle of programs, in EXTC Engineering, Computer Engineering and Information Technology.
- Co-ordinate for the preparation of the institute for NAAC application (2nd cycle) in the year 2024.
- Promote and empower faculty members and students to actively pursue research funding opportunities offered by various funding agencies.
- One-Week Faculty Induction Program for the newly recruited faculty members.

Further, several of the academic and extra-curricular achievements and activities were highlighted by the Principal. Few of the noteworthy achievements appreciated by the members are as given below.

RECENT RANKINGS OF D. J. SANGHVI COLLEGE OF ENGINEERING : DJSCE (A.Y. 2023-24)

Rankings of DJSCE in the West Zone of the country:

- **"Best Private Engineering College" (Rank 1) in the West Zone - India Today** (Issue: 03rd July 2023).
- **Rank 1** in the West Zone & **1st** amongst the Top Private Engineering Colleges of Mumbai - *Times of India* (Issue: 20th June 2023).
- **1st Rank** in the West zone and **1st** amongst the Private Engineering Colleges of Mumbai - *The Week* (Issue: 18th June, 2023).
- **3rd** in Maharashtra State – CSR GHRDC (Competition Success Review) (Issue: July, 2023).

Overall National Rankings (2023-24):

- **8th** amongst the Top 10 Private Engineering colleges of the country - *India Today* (Issue: 03rd July 2023).
- **13th** amongst the Top 170 engineering colleges of the country & **11th** amongst the Top 125 Private engineering colleges of the country – *Times of India* (Issue: 20th June 2023).
- **11th** amongst the Top 231 Private Engineering colleges of India and **36th** amongst the Top 260 Engineering Colleges of India - *The Week* (Issue: 18th June, 2023).
- NIRF Innovation section (previously Atal Ranking for Institute Innovation achievements: ARIIA), ranked DJSCE amongst the **top 151-300 colleges** at the all India level.
- **112th** amongst the Top 160 Engineering Colleges of India - Outlook India (Drshiti Survey 2023) (Issue: 11th July, 2023).

Placement-wise Rankings:

- **10th** amongst the top colleges with **Best Placement Record** – *India Today* (Issue: 03rd July 2023).
- **15th** amongst the Top 30 colleges in Research Capability & **27th** amongst the Top 70 private colleges for Placements in India – *Times of India* (Issue: 20th June 2023).



A total of 6 Books/Books Chapters, 21 research paper publications in conferences and 47 paper publications in journals were done by faculty members during the period January-June 2023. A total of 05 FDPs were organized and faculty members also attended around 40 FDPs. 17 patents and copyrights were also published by faculty members and students. Achievements of various student teams were also highlighted. Members appreciated the same and complimented the staff & students for the achievements.

Item 7: To transact any other business with the permission of the Chairman.

Mr. Suresh Mhatre suggested meeting in Nov-Dec 2023 to finalize on Sem III to Sem VI courses and the scheme under NEP 2020 and the faculty to be readied for the same. The Principal agreed with the same and further updated that already a meeting was taken up with all the faculty and they were updated about the same. He further assured that with the approval and directive of the management things would fall in place in the coming months. Dr. Ukarande reiterated the fact that only the existing curriculum needs to be aligned to the NEP 2020 requirement as per GR and a template needs to be accordingly designed. He offered to share a template for the same and help the institute. Also, it was mentioned that the NEP Implementation Cell (NIC) needs to be approved and accordingly the members approved the NEP Implementation Cell (NIC).

Dr. Manali Godse then informed the members about two awards received by Dr. Hari Vasudevan, at the World Education Congress 2023, 12th Edition, known as "Late Prof. Y.K. Bhushan: Most Influential Professors", held at Taj Lands End, Bandra (W) on 13th July, 2023. She mentioned that he was also invited as a speaker during the conference on the topic "AFFORDABLE & SUSTAINABLE Education for All: The Role of Technology". It was further mentioned that the Principal received yet another award on 14th July, 2023 at the World Education Congress 2023, 12th Edition, held at Taj Lands End, Bandra (W) as the "Top Most Influential Principals (Education)". Members appreciated the same and congratulated the Principal for the awards.

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

Mumbai-400056
Date 22.07.2023

Dr. Hari Vasudevan
(Principal & Chairman)