



### 7.3 Institutional Distinctiveness

Dwarkadas J. Sanghvi College of Engineering strives to be a **world class institution** for education, training and research in engineering, inculcating values and skills for sustainable development of the society'.

Our institute, "Dwarkadas J. Sanghvi College of Engineering", is located at Vile Parle West, Mumbai. The college was started in the year 1994 with 4 programmes in Engineering, and later on, in the year 1999 and 2000, 3 programmes were added. As part of our academics and administration, we have been able to position the Teaching-Learning process at the center of our day to day activities, so as to provide maximum value to all the stakeholders, especially the students. We have been able to get our courses permanently affiliated to the University of Mumbai in the year 2017. During the last few years, fresh courses, such as Mechanical engineering was started in the college and the overall intake in the First year of Undergraduate courses was increased from 360 to 630 over a period, ranging from the year 2010 to 2012. 3 M. E. and 3 Ph.D. programmes were also started during the years from 2011 to 2014.

In order to ensure that the institute progresses towards achieving its vision of being a world class institution, the following aspects are pursued in a sustained manner.

Research capabilities of our students are being nurtured through our regular internal online publication, called "Technofocus", Journal for Budding Engineers. Research opportunities are also very strongly promoted among our Post-graduate and Ph.D. students in a sustained manner.

In order to raise the level of our programmes to **world class standards**, we got all our undergraduate programmes accredited by the National Board of Accreditation (NBA) in 2 consecutive cycles so far. Recently, all the 8 programmes were accredited in the 2nd cycle with the validity upto July 2021.

SAP ERP System is implemented since Oct 2010 to deal with various organisational functions such as:

1. SAP Human Resource Management- Administration
2. SAP Materials Management - Planning and Development
3. SAP Finance and Funds Management -Finance and Accounts
4. SAP Project Management- Planning and Development
5. SAP SLCM (Student Life Cycle Management) - Student Admission and support.

The SAP system plays an important role in the teaching and learning process. Blackboard - (Learning management system) integrated with SAP as well as Blackboard - Android Application form a virtual interface between the teachers and the students. These applications were further enhanced in 2018 and the teachers now interact with the students over the Student Portal, developed in-house.

The college is also a remote centre of IIT Bombay, ensuring that additional online training and workshops are conducted for improving the Teaching-Learning process.

Additionally, various activities of students' chapters of IEEE, CSI, ISME, IETE, IEEE, ACM, SAE India, RAS, ISHRAE and Pacemaker as well as 4 professional clubs make DJSCE a very vibrant place for learning.



In addition to all the student chapters and 4 clubs, the NSS unit of Mumbai University adds value to student activities, ensuring them good exposure. NSS unit of the college has the record of the highest collection of blood bottles (in numbers during camps- year after year: recognized by the UOM) from amongst all University colleges.

As a result of these initiatives, the institute has been regularly securing first position in the University of Mumbai examinations in the overall passing percentage in the First year of engineering results year after year. Students of the college, continue to bag top positions in the merit list - retaining the status of the college amongst Maharashtra's premier colleges. We have always been able to place 100% of needy students in the Campus placement process with many getting 2-3 jobs. The College has always been able to attract various reputed recruiters. In the year 2018-19, more than 100 recruiters visited the campus. Some of our eminent recruiters are: TCS Ltd., Amdocs Ltd., L & T, Oracle, BNP Paribas, Godrej & Boyce, Morgan Stanley, J.P. Morgan Chase, Quantiphi, ATOS origin Ltd., E&Y, PWC, Fractal Analytics, ZS Associates, Infosys, L&T Infotech, L&T Tech Services, Reliance Industries Ltd., Reliance Petrochemicals, Reliance JIO, HUL, Siemens Ltd., Mahindra & Mahindra, BOSCH, Nerolac Paints, Technimont ICB Pvt Ltd., Tata Projects, Jacobs Engg. and Capgemini.

Our institute has been consistently rated amongst the top 100 institutions of our country year after year by various ranking agencies. Some of our institution's achievements in terms of rankings in the current year are as follows:

The National Institutional Ranking Framework (NIRF) has ranked DJSCE 195th in the India Rankings 2019 in the Engineering Category.

India Today-MDRA has ranked DJSCE in the Elite list of Top 10 Private Engineering Colleges in the country. DJSCE is also ranked as the number 1 college in the western region as well as 9th in the list of colleges, offering best average salary.

India Today-MDRA has ranked DJSCE as the 2nd Best Private Engineering College in the West Zone of India. The College was also ranked 11th amongst the Top 165 Private Engineering Colleges in the Country.

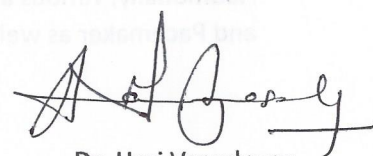
Outlook India – Drshti Survey 2018 has ranked DJSCE 26th amongst the Top 100 Engineering Colleges of India. The college is also ranked 5th in the West Zone and 12th amongst the Top 20 Private Engineering Colleges in the country.

CSR–GHRDC (Competition Success Review – Global Human Resource Development Centre 2018) Survey has ranked DJSCE 3rd in Maharashtra and 19th in the Top Engineering Colleges of Eminence in India. The college is also ranked 6th in the West Zone “The Week” has ranked DJSCE 83rd amongst the Top 122 Engineering Colleges of India, 34th amongst the Top 147

Private Engineering colleges of India and 7<sup>th</sup> amongst the Top 17 Private Engineering Colleges in the West zone.

Thus, students passing out of the college are guided and trained to reach the best higher education institute in India and abroad. The college has a record number of students in prestigious high ranking institutions in the world, doing their post-graduate and Ph.D. studies as well as thriving in their professional career.



  
Dr. Hari Vasudevan  
(Principal)



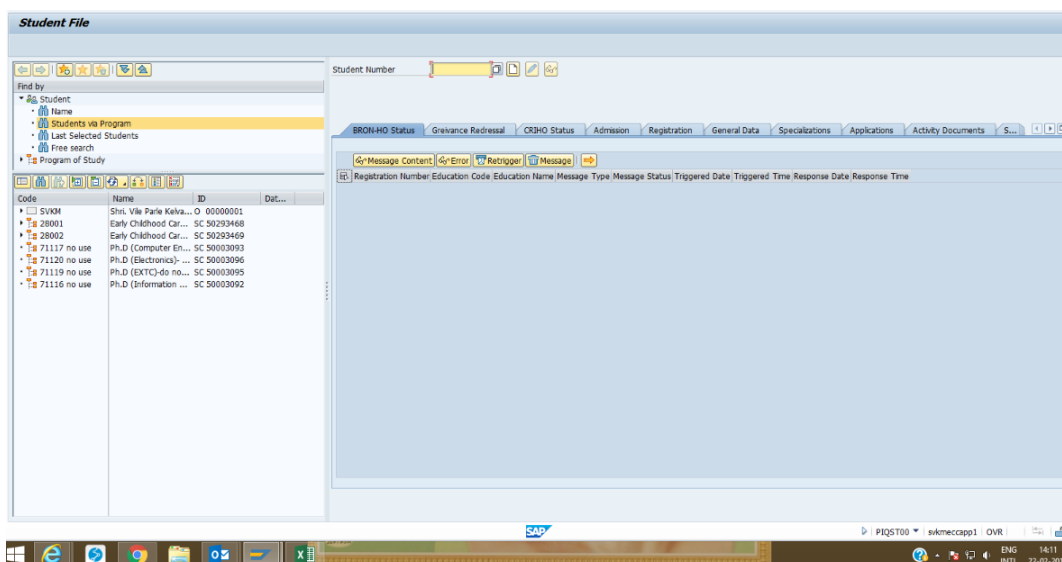
## Key Indicator 7.3

### Metric No. 7.3.1

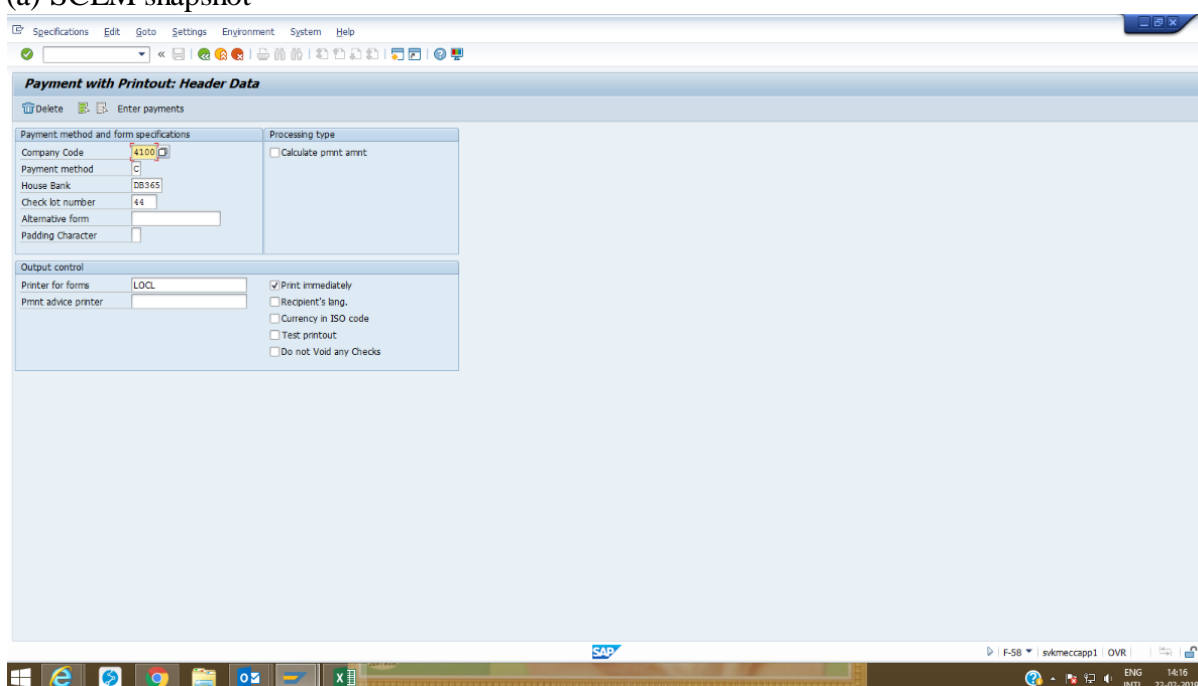
Data exceeds the limit of 2MB, hence the same is available on the link given below (please click the link below):

Topic	Link
Vision	<a href="http://djsce.ac.in/Vision%20and%20Mission/M_44">http://djsce.ac.in/Vision%20and%20Mission/M_44</a>
NBA Accreditation to all 8 branches of Engineering	<a href="http://djsce.ac.in/Circle%20/M_262">http://djsce.ac.in/Circle%20/M_262</a>
NIRF Ranking 2019	<a href="http://djsce.ac.in/Common/Uploads/TabbedContentTemplate/253_Download_NIRF%20Certificate.pdf">http://djsce.ac.in/Common/Uploads/TabbedContentTemplate/253_Download_NIRF%20Certificate.pdf</a>
India Today Rankings 2019	<a href="http://djsce.ac.in/Common/Uploads/HomeTemplate/368CDoc_Rankings%20of%20DJSCE%202019%20-%20India%20Today.pdf">http://djsce.ac.in/Common/Uploads/HomeTemplate/368CDoc_Rankings%20of%20DJSCE%202019%20-%20India%20Today.pdf</a>  <a href="https://www.indiatoday.in/magazine/web-exclusive/story/20190527-top-10-colleges-engineering-1527185-2019-05-18">https://www.indiatoday.in/magazine/web-exclusive/story/20190527-top-10-colleges-engineering-1527185-2019-05-18</a>
College Rankings 2017-18	<a href="http://djsce.ac.in/rankings/djsce_ranking_banner_2018.jpg">http://djsce.ac.in/rankings/djsce_ranking_banner_2018.jpg</a>
Placements	<a href="http://djsce.ac.in/Placement%20Cell/M_172">http://djsce.ac.in/Placement%20Cell/M_172</a>
Student Chapter Activities	<a href="http://www.djsce.ac.in/">http://www.djsce.ac.in/</a> (Students > Student Chapters)
NSS unit	<a href="http://djsce.ac.in/nss/">http://djsce.ac.in/nss/</a>
<b>SAP system in DJSCE</b>	
<p>DJSCE has implemented the SAP ERP System, since Oct 2010 to deal with various organisational functions such as:</p> <ol style="list-style-type: none"> <li>1. SAP Human Resource Management- Administration</li> <li>2. SAP Materials Management - Planning and Development</li> <li>3. SAP Finance and Funds Management -Finance and Accounts</li> <li>4. SAP Project Management- Planning and Development</li> <li>5. SAP SLCM (Student Life Cycle Management) Student Admission and support, Student Examinations</li> </ol> <p><b>SLcM module was implemented in the year June 2011 and has continuously evolved with improved features:</b></p> <ol style="list-style-type: none"> <li>1. <b>Admission process:</b> Online admission forms and merit list process.</li> <li>2. <b>Student Accounting:</b> SAP Contract Account Receivable and Payable (Student Accounting)</li> </ol>	

- Students all Fees and Deposits related matter to be handled in SAP Student Accounting.
- Online payment of fees by students for subsequent years other than the New Admission.
- From the collection of fees and up to refund generation on cancellation or deposit refund after successful completion of program.
- Student wise receivables and payable.



(a) SCLM snapshot



(b) SAP –Finance snpshot

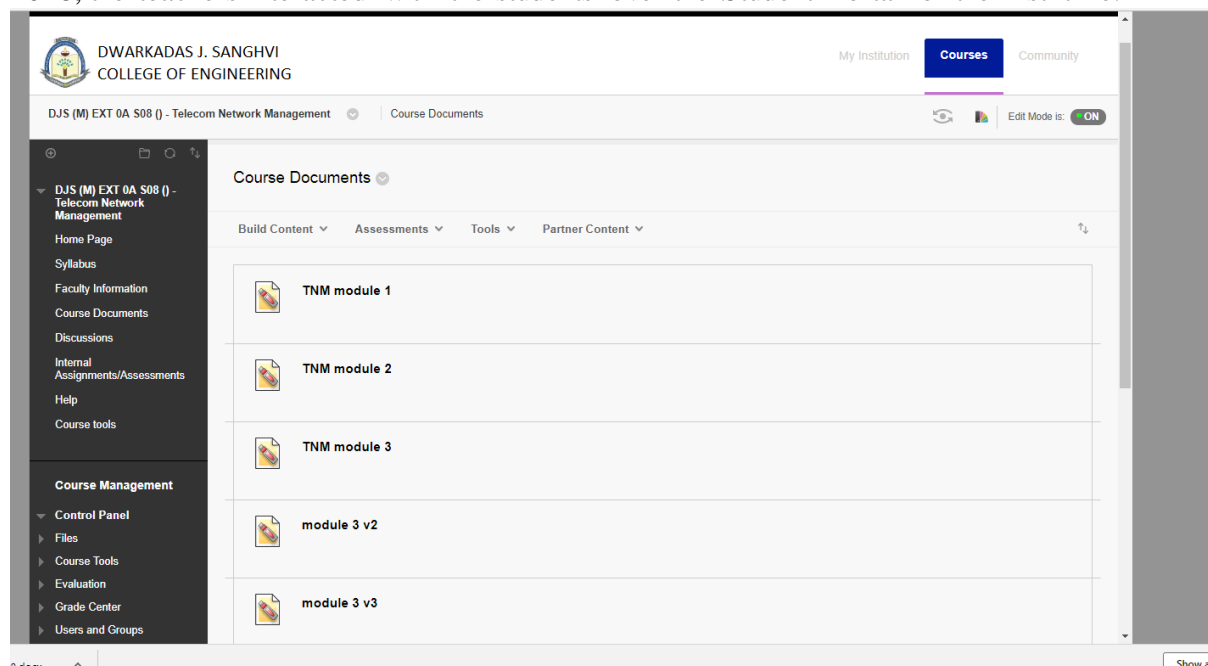
### 3. Academic processes, which includes following:

- Module planning and event planning
- Module booking and event booking
- Attendance tracker

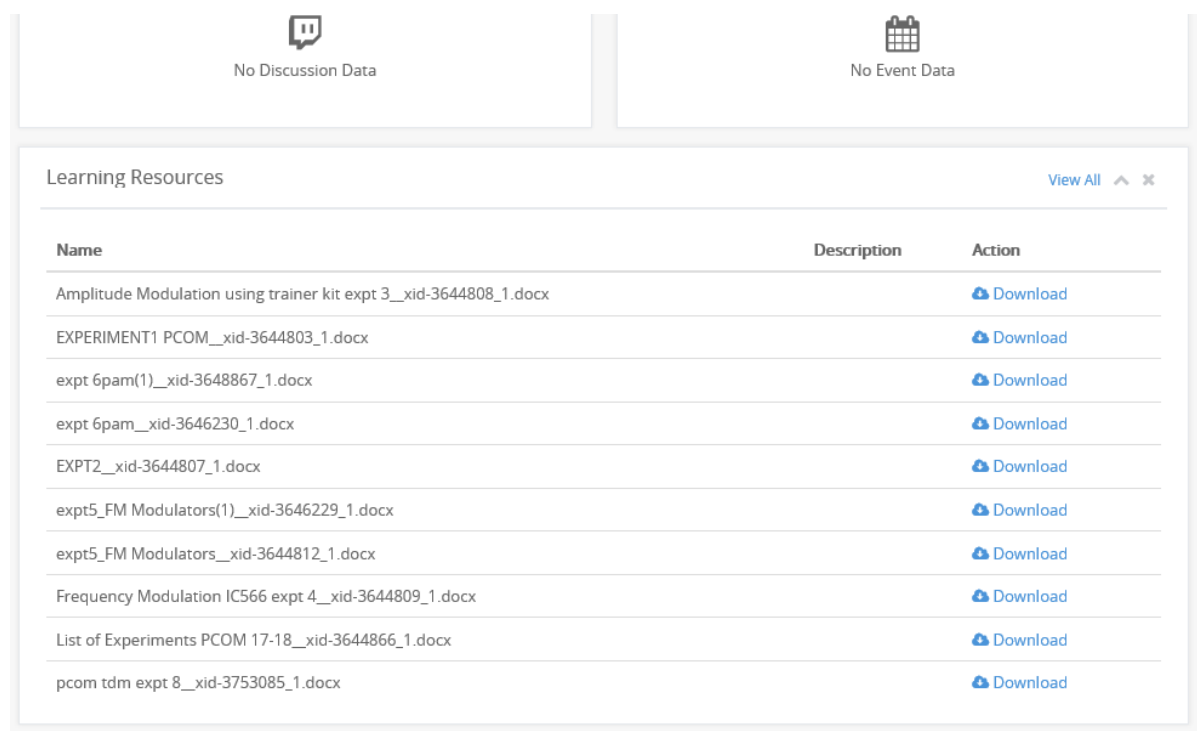
- d. Attendance MIS
- e. Attendance email and SMS to students
- f. Faculty workload report
- g. Integration with student Java portal to update real time data from SAP to new system for further activities.

The SAP system performs an important function in the teaching and learning process.

Blackboard - (Learning management system) and Blackboard - Android Application form a virtual interface between the teachers and the students. These applications were further enhanced and in 2018, the teachers interacted with the students over the Student Portal for the first time.



(a) Blackboard console (Sem VIII (EXTC) Telecomm Network Mangement



Name	Description	Action
Amplitude Modulation using trainer kit expt 3_xid-3644808_1.docx		<a href="#">Download</a>
EXPERIMENT1 PCOM_xid-3644803_1.docx		<a href="#">Download</a>
expt 6pam(1)_xid-3648867_1.docx		<a href="#">Download</a>
expt 6pam_xid-3646230_1.docx		<a href="#">Download</a>
EXPT2_xid-3644807_1.docx		<a href="#">Download</a>
expt5_FM Modulators(1)_xid-3646229_1.docx		<a href="#">Download</a>
expt5_FM Modulators_xid-3644812_1.docx		<a href="#">Download</a>
Frequency Modulation IC566 expt 4_xid-3644809_1.docx		<a href="#">Download</a>
List of Experiments PCOM 17-18_xid-3644866_1.docx		<a href="#">Download</a>
pcom tdm expt 8_xid-3753085_1.docx		<a href="#">Download</a>

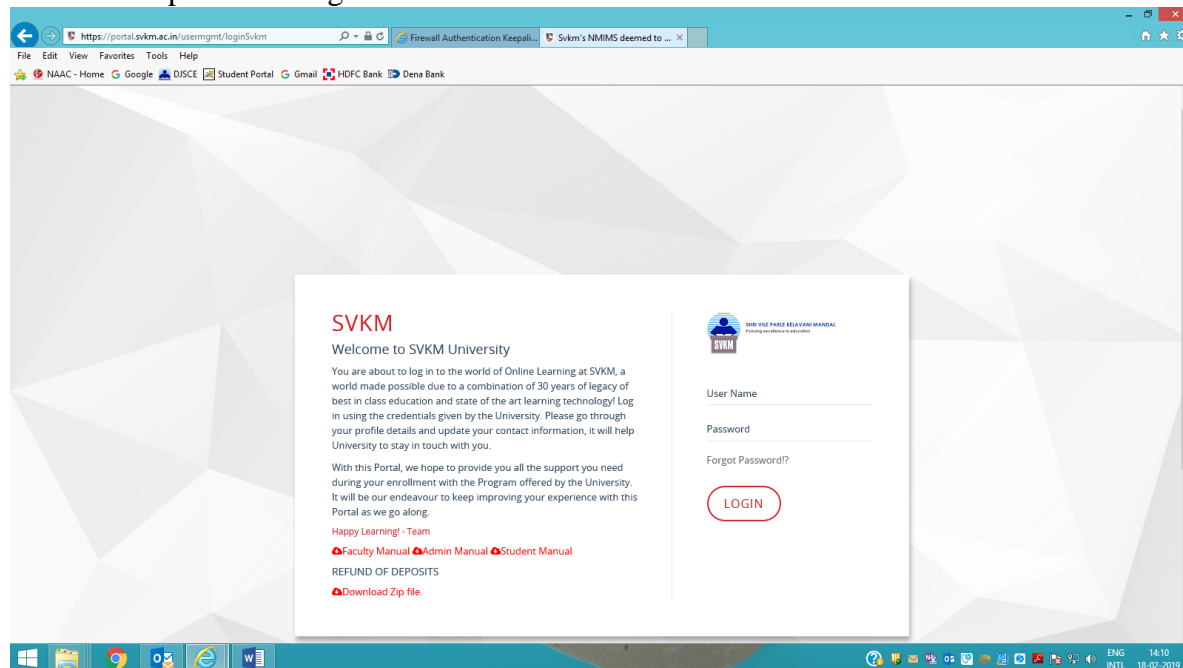


## (b) Blackboard SEM IV (EXTC) Learning Resources

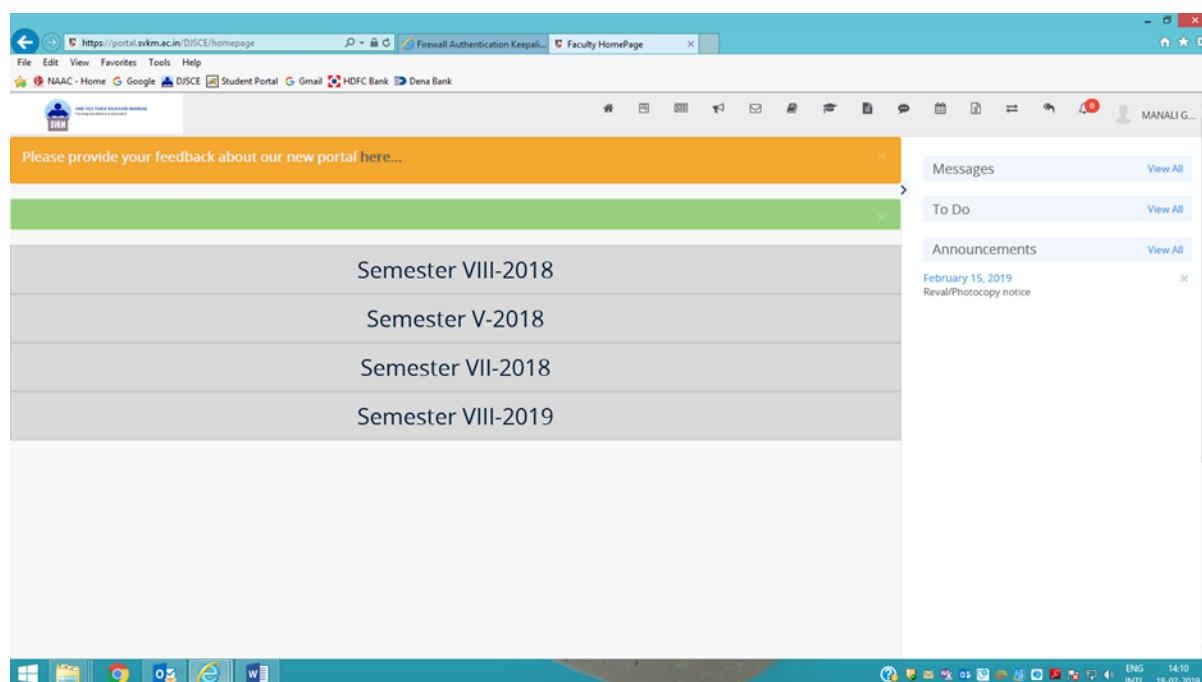
Through these tools, the SAP is useful as an

- e-learning resource to incorporate technology in the classroom/ laboratory.
- an Online resource providing technical literature and IT applications platform for various courses offered in curriculum.
- Sharing IT resources to simulate/explain engineering phenomenon/ knowledge.
- Accommodating multiple learning styles for various courses offered in curriculum.

The student portal is designed as underneath.



## (a) Student Portal Login



## (b) Semester wise login



**SHRI VILEPARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING**  
(Approved by AICTE and Permanently Affiliated to the University of Mumbai.)



Learning Resources

Course: HOSPITAL MANAGEMENT T

SEARCH CONTENT CANCEL

Learning Resources

Expand All Collapse All

BACK TO COURSE ROOT FOLDER ADD NEW FOLDER ADD NEW FILE ADD MULTIPLE FILES ADD NEW LINK

DOWNLOAD ALL RESOURCES DOWNLOAD ALL RESOURCES FOR COURSE

Content Name	Description	Visible From	Visible Till	View Count	Actions
Hospital Waste Management		2019-02-11T16:58:01	2019-06-30T16:58:28	2	Download Print
Role of Biomedical Engineer in Hospital		2019-02-11T16:55:14	2019-06-30T16:55:14	2	Download Print
Motivation		2019-02-11T16:54:40	2019-06-30T16:55:05	1	Download Print
Laundry and Linen		2019-02-11T16:53:54	2019-06-30T16:54:20	2	Download Print
Central Sterile Supply Department		2019-02-11T16:53:07	2019-06-30T16:53:46	2	Download Print
Dietary Services		2019-02-11T16:52:51	2019-06-30T16:52:57	0	Download Print
Hospitals		2019-02-11T16:51:27	2019-06-30T16:51:27	2	Download Print
Principles of Management		2019-02-11T16:50:28	2019-06-30T16:48:31	1	Download Print

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V.L. Mehta Road, Vile Parle (W), Mumbai, Maharashtra - 400056  
portal\_app\_team@svkm.ac.in  
1800-1025-136 (Toll Free)

(c) Sample course material (Branch: Biomedical Engg, Course: Hospital Management)

**4. Examination module was implemented from October 2013 onwards and has been upgraded to provide new features to staff and students:**

- Pre-exam processes, such as online hall ticket generation.
- Barcode and exam attendance sheet with student's photograph.
- Post exam activities, such as barcode scanning, result processing using automated program
- Online result declaration on student portal.
- Email and SMS to student with a copy of result page as attachment.

A few screen shots for the same are displayed as under

**DJ Result Gazette**

SHRI VILEPARLE KELAVANI MANDAL'S  
DWARKADAS J. SANGHVI COLLEGE OF ENGINEERING  
Affiliated to University of Mumbai

SECOND EXAMINATION IN ENGINEERING (ELECTRONICS) (SEMESTER III) (CHOICE BASED) December 2018

Name	Theory	Course1	Course2	Course3	Course4	Course5
Student No	Termwork	80/32 20/8 100 C G C*GP	80/32 20/8 100 C G C*GP	80/32 20/8 100 C G C*GP	80/32 20/8 100 C G C*GP	80/32 20/8 100 C G C*GP
		25/10 0/0 25 C G C*GP	25/10 0/0 25 C G C*GP	25/10 0/0 25 C G C*GP	25/10 0/0 25 C G C*GP	25/10 0/0 25 C G C*GP
		25/10 25/10 50 C G C*GP	25/10 25/10 50 C G C*GP	25/10 25/10 50 C G C*GP	25/10 25/10 50 C G C*GP	25/10 25/10 50 C G C*GP

Course-1: ELK301 - Applied Mathematics III  
Course-2: ELK302 - Electronic Devices and Circuits I  
Course-3: ELK303 - Digital Circuit Design  
Course-4: ELK304 - Electrical Network Analysis and Synthesis  
Course-5: ELK305 - Electronics Instruments and Measurement  
Course-6: ELK306 - Digital Circuit Design Laboratory  
Course-7: ELK307 - Object Oriented Programming Methods Lab  
Course-8: ELK308 - Electronic Devices and Circuits I Lab  
Course-9: ELK309 - Electrical Network and Measurement Lab

STUDENT NAME	12 E(E)	12 1.00 E 5	5	12 E(B)	7 F(F)	25 1.00 F	20 E(O)	19 E(A)	39 2.00 A 9	16	20 E(O)	20 1.00 O 10	10					
PRADHEEP SAROJ 60001170001 /	12 E(E)	12 1.00 E 5	5	12 E(B)	7 F(F)	25 1.00 F	20 E(O)	19 E(A)	39 2.00 A 9	16	20 E(O)	20 1.00 O 10	10					
KHAIRNAR, ANSH JITENDRA NAYANA 60001170002	55 (C)	14 (B)	69 4.00 C 7	28	69 (O)	20 (O)	89 4.00 O 10	40	65 (O)	13 (C)	78 4.00 O 10	40	59 (B)	18 (O)	77 4.00 O 10	40	58 (B)	16 (O)
MENTA, ANIRETH	19 (A)	19 1.00 A 9	9	23 (O)	19 (A)	42 1.00 O 10	10	23 (O)	20 (O)	43 2.00 O 10	20	24 (O)	24 1.00 O 10	10				

(a) Result Sheet print out



Text Edit Goto Extras System Help

Print Preview of LOCL Page 00001 of 00034

Archive Print and Archive

**GRADE CARD**

NAME : AGNIHOTRI NEHA PRAKASH KANCHAN

EXAMINATION : SECOND EXAMINATION IN ENGINEERING(BIOMEDICAL)(SEMESTER IV)(CHOICE)

HELD IN : MAY 2018

SEAT NUMBER : 60013160001 REGISTRATION NO. : BM1814001

Course Code	Course Title	Course Credits	Grade			Credit Earned(C)	Grade Point(G)	CXG
			ESE/PR/OR	IA/TW	Overall			
BMC401	Applied Mathematics-IV	4.0	C	O	B	4.0	8	32.0
		1.0	--	O	O	1.0	10	10.0
BMC402	Biomedical Transducers and Measuring Instruments	4.0	A	O	@O	4.0	10	40.0
BMC403	Linear Integrated Circuits	4.0	C	A	B	4.0	8	32.0
BMC404	Digital Electronics	4.0	B	O	A	4.0	9	36.0
BMC405	Signals and Control Systems	4.0	A	O	@O	4.0	10	40.0
BML401	Introduction to Simulations Tools	1.0	B	O	O	1.0	10	10.0
BML402	Biomedical Transducers and Measuring Instruments	1.0	C	O	O	1.0	10	10.0
BML403	Linear Integrated Circuits	1.0	O	O	O	1.0	10	10.0
BML404	Digital Electronics	1.0	O	O	O	1.0	10	10.0
BML405	Signals and Control Systems	1.0	O	O	O	1.0	10	10.0
<b>TOTAL</b>		<b>26.0</b>				<b>26.0</b>		<b>240.0</b>

Remark : Successful SGPI : 9.33 #

Result Declared on : 07 AUGUST 2018

Received : Rs 50/-

Entered By \_\_\_\_\_ Verified By \_\_\_\_\_ Principal / Controller of Examinations

SAP SEP (1) 300 svkmeccapp1 INS 16:30 18-02-2019

(b) Grade Card generation





Report on exam/reexam

Summary Report for Re-exam registrations

Academic Year: Acad. Year 2018-2019  
Academic Session: Semester III  
Examination Year: Acad. Year 2018-2019  
Examination Session: Semester III  
User id: DISOMEQ2  
Date & Time: 18.02.2019/16:10:00

Module Abbr	Module Name	Assessment Abbr	Assessment Name	Assesme	Appraisal	Offered in s	Student wt	Student wt	Student wt	Program of study	Program of code
ELX301	Applied Mathematics III	AM_MC_2166	ELX301_AM_MC_2166	MC	2166	YES	0	66	8	50002935	60001
ELX301	Applied Mathematics III	AM_MC_2164	ELX301_AM_MC_2164	MC	2164	YES	0	66	8	50002935	60001
ELX301	Applied Mathematics III	AMM_E1_2166	ELX301_AM_E1_2166	E1	2166	YES	5	66	8	50002935	60001
ELX301	Applied Mathematics III	AMM_E1_2164	ELX301_AM_E1_2164	E1	2164	YES	0	66	8	50002935	60001
ELX301_U	Applied Mathematics III, U	AMM_MC_2178	ELX301_U_AM_MC_2178	MC	2178	YES	0	74	0	50002935	60001
ELX301_U	Applied Mathematics III, U	AMM_E1_2178	ELX301_U_AM_E1_2178	E1	2178	YES	0	74	0	50002935	60001
ELX302	Electronic Devices and Circuits I	EDC_MC_2166	ELX302_ED_MC_2166	MC	2166	YES	0	70	4	50002935	60001
ELX302	Electronic Devices and Circuits I	EDC_MC_2164	ELX302_ED_MC_2164	MC	2164	YES	0	70	4	50002935	60001
ELX302	Electronic Devices and Circuits I	EDD_E1_2166	ELX302_ED_E1_2166	E1	2166	YES	1	70	4	50002935	60001
ELX302	Electronic Devices and Circuits I	EDD_E1_2164	ELX302_ED_E1_2164	E1	2164	YES	0	70	4	50002935	60001
ELX303	Digital Circuit Design	DCD_MC_2166	ELX303_DCD_MC_2166	MC	2166	YES	0	67	7	50002935	60001
ELX303	Digital Circuit Design	DCD_MC_2164	ELX303_DCD_MC_2164	MC	2164	YES	0	67	7	50002935	60001
ELX303	Digital Circuit Design	DCD_E1_2166	ELX303_DCD_E1_2166	E1	2166	YES	0	67	7	50002935	60001
ELX303	Digital Circuit Design	DCD_E1_2164	ELX303_DCD_E1_2164	E1	2164	YES	0	67	7	50002935	60001
ELX304	Electrical Network Analysis and Synthesis	ENA_MC_2166	ELX304_ENA_MC_2166	MC	2166	YES	0	71	3	50002935	60001
ELX304	Electrical Network Analysis and Synthesis	ENA_MC_2164	ELX304_ENA_MC_2164	MC	2164	YES	0	71	3	50002935	60001
ELX304	Electrical Network Analysis and Synthesis	ENA_E1_2166	ELX304_ENA_E1_2166	E1	2166	YES	2	71	3	50002935	60001
ELX304	Electrical Network Analysis and Synthesis	ENA_E1_2164	ELX304_ENA_E1_2164	E1	2164	YES	0	71	3	50002935	60001
ELX305	Electronics Instruments and Measurement	EIM_MC_2166	ELX305_EIM_MC_2166	MC	2166	YES	0	69	5	50002935	60001
ELX305	Electronics Instruments and Measurement	EIM_MC_2164	ELX305_EIM_MC_2164	MC	2164	YES	0	69	5	50002935	60001
ELX305	Electronics Instruments and Measurement	EIM_E1_2166	ELX305_EIM_E1_2166	E1	2166	YES	0	69	5	50002935	60001
ELX305	Electronics Instruments and Measurement	EIM_E1_2164	ELX305_EIM_E1_2164	E1	2164	YES	0	69	5	50002935	60001
ELXL301	Electronic Devices and Circuits I Labora	EDL_MC_1184	ELXL301_EDL_MC_1184	MC	1184	YES	0	74	0	50002935	60001

(b) Report generation

### **SAP Finance and Accounting:**

Complete Accounting System from Procurement to Payment is in SAP. Budgeting is in SAP.

### **SAP Procurement Management:**

Complete Purchase from Release of Purchase order, Material Receipt to Inventory Management is in SAP.

### **SAP Project Systems:**

Project System Module is used especially for construction of new buildings and for major repairs and renovation work done in the college and all data are processed through SAP.

### **SAP Human Resource Management:**

Complete All Employee Salary Management, Salary Payment, Generation of Form 16 and Leave Management is done through SAP.

### **SAP Server Management:**

Complete SAP Server and System Administration is done by the SAP Internal Team.

The details of the training sessions periodically organized for the teaching and non-teaching staff are uploaded.


## **DJSCE as Remote Centre of IIT Bombay**

### **IIT (B) Remote Centre**

This has been established under the MHRD scheme of National Mission on Education through ICT and IITBombay under the aegis of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching program. IIT – B usually selects a reputed engineering college, with high academic standards, excellent infrastructure and good faculty with expertise and experience of handling workshop subjects. The remote centre (RC) at D. J. Sanghvi CoE (RC id - 1544) was established in August 2018. As on date it has conducted two workshops on library automation software 'Koha' and



learning management system – ‘Moodle’. These programs have addressed interests of (15 + 19) 30+ faculty members from neighbouring institutes towards gaining hands-on experience and expertise in respective application platforms and thus translating towards an improved teaching learning experience.

**National Mission on Education**  
Through ICT  
Empowerment of Students and Teachers through  
Synchronous & Asynchronous Instruction

Login | Register

NME-ICT Workshops Management System, IIT Bombay

HOMEWORKSHOPREMOTE CENTERWORKSHOPS FUNDMISCELLANEOUS

All Remote Centers | Search RC  Search 0SRC 1SRC 2SRC 3SRC 4SRC 5SRC Inactive RCs Terminated RCs



Remote Center Shows the result of "sanghvi" [Print Preview](#) [Print Full RC Details](#) [Print Institute Head Details](#) [Print RCC Details](#)


Remote Center (Found 1 Entry) Entry 1 of 1 Remote Centers

1544. Dwarkadas J Sanghvi College Of Engineering, Vile Parle - Mumbai (Maharashtra) ★☆☆☆☆ Rating  
Head of the Institute: Dr. Hari Vasudevan - Principal

Empowerment of Students and Teachers through  
Synchronous & Asynchronous Instruction  
**National Mission on Education through ICT**  
(Funded by MHRD New Delhi)

Indian Institute of Technology Bombay, Powai, Mumbai - 400 076

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 Ministry of Human Resources Development (MHRD)  
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