

NATIONAL INSTITUTE OF TECHNOLOGY GOA
Farmagudi, Ponda, Goa – 403401

Phone No: 0832-2404200, Fax No: 2402202



MINUTES OF 12th MEETING OF THE SENATE

Date : 9th August 2019

Time : 04:00 P.M

Venue : Conference Hall, NIT Goa

Proceedings of the 12th meeting of the SENATE of NIT Goa held on 9th August 2019 at 04:00 PM in Conference Hall, National Institute of Technology Goa.

Senate Members

1	Prof. Gopal Mugeraya	Director, NIT Goa	Chairman Senate
2	Prof. Rajat Gupta	Director, NIT Mizoram, Professor Dept. of Mechanical Engineering, NIT Silchar, Assam	External Member
3	Dr. Veena Thenkanidiyoor	Dean (Academics)	Member
4	Dr. Vasantha M.H.	Registrar (I/C) and Associate Prof. Dept. of ECE	Member & Secretary
5	Dr. Velavan Kathirvelu	Dean(Student Welfare)	Member
6	Dr. P. Saidi Reddy	Dean(Faculty Welfare)	Member
7	Dr. B. Venugopal Reddy	Dean(Research & Consultancy)	Member
8	Dr. Purushothama B. R.,	Dean(Planning and Development)	Member
9	Dr. Sarani Ghoshal M.	Dean(Institutional Relations & Alumni affairs)	Member
10	Dr. Nithin Kumar Y.B.	HoD,ECE	Member
11	Dr. Ragoju Ravi	HoD, HS	Member
12	Dr. Amol Rahulkar	HoD, EEE	Member
13	Dr. Keshavamurthy B.N.	HoD, CSE	Member
14	Dr. C.Vyjayanthi	HoD, CVE and MCE	Member

Prof. Airody Vasudeva Adhikari and Mrs. Jyoti Vijay, who expressed their inability to attend the meeting were granted leave of absence.

Director

Registrar
 National Institute of Technology Goa
 National Institute of Technology Goa
 Farmagudi, Ponda-Goa 403 401
 GCE Campus, Farmagudi, Ponda,
 GOA - 403 401

Secretary senate

Chairman Senate

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Registrar

National Institute of Technology Goa
Farmagudi, Ponda-Goa 403 401

Director

National Institute of Technology, Goa
GCE Campus, Farmagudi, Ponda,
GOA - 403 401

Secretary Senate

Chairman Senate

A. To confirm the minutes of 11th meeting of Senate held on 27/09/2018

Minutes of 11th meeting of the Senate of NIT Goa held on 27/09/2018 were circulated.
Minutes may please be seen in the **Annexure I** (Page No. 9-22)

The Senate is requested to confirm the finalized minutes.

Resolution of the Senate:

The Senate confirmed the minutes of the 11th meeting of Senate.

B. Action taken report on the resolutions taken in the last meeting of the Senate.**Resolution of the Senate:**

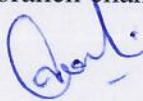
The Senate noted the actions taken on the resolutions of the last meeting.

C.1 To deliberate and approve the proposed updated curriculum for the BTech Programmes of the Institute

The curriculum and the detailed syllabus for BTech programmes in Computer Science and Engineering (CSE), Civil Engineering (CVE), Electrical and Electronics Engineering (EEE), Electronics and Communication Engineering (ECE) and Mechanical Engineering(MCE) were revised. The revised curriculum and the detailed syllabus were approved by the Board of Studies in its meeting held on 24/07/2019.

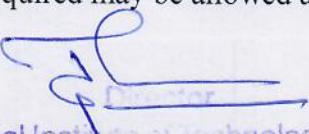
Some important aspects of the updated curriculum are as follows:

- Total 175 credits required to be earned for the award of the BTech degree.
- For CGPA computation 169 credits are considered out of 175 credits. The remaining 6 credits are corresponding to mandatory learning courses.
- A proposal of allowing interested students to complete all the course work by 7th semester and to carry out a dedicated one semester project work in 8th semester. This will facilitate the interested students to carry out their project work in reputed Institutes like IITs or industrial research labs with the approval of competent authority.
- The major project carrying 10 credits in 8th semester need to be considered as 15 contact hours
- Mathematics I and Mathematics II are common to all B.Tech. programmes. However, the course content of Mathematics III and Mathematics IV may be made suitable to the respective B.Tech. programme
- A provision to do two electives in 8th semester is allowed. This is applicable only to students who do their project work at NIT Goa itself. For CGPA purpose, out of 10 electives, best 8 electives may be considered. However, all the credited elective names shall be included in their 'Transcript'. This proposal will support the slow learner to drop 2 electives in earlier semester
- If a student of one branch wants to do a course (core/elective) offered by the other department, it is proposed to allow the same as an open elective. However, a student is allowed to take up to 2 courses (maximum 6 credits) under this category.
- The programme specific courses are introduced in second semester. The first semester courses are common to all the programmes since the programmes. Hence it is proposed that the branch change if required may be allowed at the end of first semester.



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National Institute of Technology, Goa
GEE Campus, Farmagudi, Ponda,
GOA 403 401

- It is proposed to raise the credit limit for a semester (Maximum credits a student is allowed to register) from 24 to 26. This is mainly due to the provision which is made in the proposed curriculum for allowing a student to complete all the courses by 7th semester.

The course categorization in the proposed curriculum is as follows:

The courses are categorized as follows:

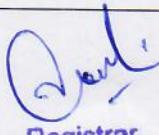
Category	Credits	Remark(s)
Foundation Courses	56-57	56(CVE, EEE, ECE, MCE) 57(CSE)
Professional Theory and Practice including core and electives	112-113	113(CVE, EEE, ECE, MCE) 112(CSE)
Mandatory Learning Courses (*Not counted for final CGPA)	6*	
Total	175	

Professional Theory and Practice :

Category	Credits
Programme Specific Core (Theory and Practical)	76(CVE, EEE, ECE, MCE) 75(CSE)
Programme specific Electives and Open Electives (Note: A maximum of 6 credits can be earned under Open Electives)	24
Programme Major Project	10
Seminar and Summer Training/Mini Project	3
Total credits	113(CVE, EEE, ECE, MCE) 112(CSE)

Mandatory Learning Courses:

Category	Credits	Remarks
Mandatory Learning Courses (*Not counted for final CGPA)	6*	Environmental Studies -1 Credits Corporate Communication -3 Credits Physical Education -1 Credits Engineering Ethics -1 Credits



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Director

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Foundation Courses:

Category	Credits	Remarks
Basic Sciences	27 /28(CSE)	Mathematics -14 Credits Physics -5 Credits Chemistry -5 Credits Mechanics of Materials (CVE)/ Semiconductor Devices (EEE and ECE) / Material Science (MCE) -3 Credits OR Discrete Mathematics(CSE) -4 Credits
Basic Engineering Sciences	15	Engineering Mechanics -3 Credits Basic Electrical and Electronics Engineering -5 Credits Computer Programming and Problem Solving -5 Credits Digital System Design(CSE)/ Earth Science (CVE)/ Elements of Mechanical Engineering (EEE, ECE and MCE) -2 Credits
Humanities and Languages	9	Professional Communication -3 Credits Economics -3 Credits Management -3 Credits
Technical Arts	5	Object Oriented Programming (CSE)/ Engineering Drawing (CVE, EEE, ECE, MCE) -3 Credits Object Oriented Programming Lab (CSE)/ Workshop Practices (CVE, MCE) / Electrical Workshop (EEE) / Digital Logic Lab(ECE) -2 Credits
Total Credits	56-57	56(CVE, EEE, ECE, MCE) 57(CSE)

Updated Curriculum for BTech in CSE is given in Annexure II (Page no 23)

Updated Curriculum for BTech in CVE is given in Annexure III (Page no 24)

Updated Curriculum for BTech in EEE is given in Annexure IV (Page no 25)

Updated Curriculum for BTech in ECE is given in Annexure V (Page no 26)

Updated Curriculum for BTech in MCE is given in Annexure VI (Page no 27)

The Senate is requested to deliberate and approve the proposed curriculum for BTech programmes in CSE, CVE, EEE, ECE and MCE.

Resolution of the Senate:

The Senate approved the proposed curriculum.

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Director

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C.2 Deliberation on the conduct of summer term courses

Present regulation for the conduct of summer term	Proposed Regulation for conduct of summer term
Summer term courses shall be offered for those students who got 'F' grade in an earlier attempt. Those who have got 'W' grade in an earlier attempt or those who have undergone summer term courses earlier for the same course are not eligible to register for summer term courses for the same subjects . Maximum letter grade that can be given for a summer term course is 'D'.	Summer term courses shall be offered for those students who got 'F' and 'W' grade in an earlier attempt provided the last attempt was not in summer term. However, in such courses 1 grade less than what he/she would be getting will be awarded. A student is allowed to register for a maximum of 12 credits in summer term.

The Senate is requested to deliberate on this proposal.

Resolution of the Senate:

The Senate approved the proposal for the conduction of summer term.

C.3 Deliberation on the provision for mode of offering part-time MTech programme for internal candidates

To provide opportunity for internal candidates (technical staff) for improving their knowledge/qualification it is proposed to allow them to register for relevant MTech programme (under sponsored category) provided the candidates meet the selection norms (qualifying degree and percentage of marks) for the said programme. However, the candidate willing to opt for this option is allowed to do so without comprising the regular workload. The duration of proposed part-time MTech programme will be minimum 3 years and a maximum of 4 years.

The Senate is requested to deliberate on this proposal.

Resolution of the Senate:

The Senate approved the proposal of offering the part-time MTech programme to internal candidates.

C.4 Proposal for allowing the MTech and Ph.D. students to spend maximum of 3 months in INJE University, South Korea

NIT Goa has recently signed an MoU with INJE University, South Korea for Faculty Exchange, Collaboration in M.Tech. Projects by Students, Joint Project Proposals, Joint Workshops, Participation of NIT Goa in Brain Pool Project of South Korea at INJE University. The INJE university has excellent laboratory facility.

It is proposed to allow the II year MTech students to spend a maximum of 3 months at the said university to carry out experimental work at their facility. The period of 3 months may fall any time during the 1 year project work to be carried out by a student. The permission to do so may be granted after thorough verification. It is mandatory for

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Director

NATIONAL INSTITUTE OF TECHNOLOGY GOA

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an interested student to identify one supervisor at the INJE university and one internal supervisor at NIT Goa. An interested student must also have a clear plan of work approved by both the supervisors for the 3 months period and is expected to submit a report of the same after completion of the visit.

The proposal can also be extended to PhD students.

The Senate is requested to deliberate on this proposal.

Resolution of the Senate:

The Senate approved the proposal of allowing the MTech and PhD students spend maximum of 3 months at INJE university.

C.5 Additional items if any, with the approval of the Chairman

P. Dastur

National Institute of Technology, Goa
Farmagudi, Ponda-Goa 403 001

Director

National Institute of Technology, Goa
GCE Campus, Farmagudi, Ponda,
GOA - 403 401

Secretary Senate

Annexure I

**NATIONAL INSTITUTE OF TECHNOLOGY GOA
Farmagudi, Ponda, Goa – 403401**

Phone No: 0832-2404200, Fax No: 2402202



MINUTES OF 11th MEETING OF THE SENATE

Date	:	27 th September 2018
Time	:	11:30 A.M
Venue	:	Conference Hall, Hotel Fidalgo, Panaji, Goa

Proceedings of the 11th meeting of the SENATE of NIT Goa held on 27th September 2018 at 11.30AM in Conference Hall, Hotel Fidalgo, Panaji, Goa.

Senate Members

1	Prof. Gopal Mugeraya	Director, NIT Goa	Chairman Senate
2	Prof. Rajat Gupta	Director, NIT Mizoram, Professor Dept. of Mechanical Engineering, NIT Silchar, Assam	External Member
3	Mrs. Jyoti Vijay	Executive Director & Chief Corporate Relations, BSBS Business Academy, A Unit of BSBS Knowledge Ventures Pvt. Ltd, Bangalore	External Member
4	Prof. Airody Vasudeva Adhikari	Professor, Dept. of Chemistry, NIT Karnataka, Surathkal	External Member
5	Dr. Veena Thenkanidiyoor	Dean (Academics)	Member
6	Dr. Vasantha M.H.	Registrar (I/C) and Associate Prof. Dept. of ECE	Member & Secretary
7	Dr. Suresh Mikkili	Dean(Student Welfare)	Member
8	Dr. P. Saidi Reddy	Dean(Faculty Welfare)	Member
9	Dr. B. Venugopal Reddy	Dean(Research & Consultancy)	Member
10	Dr. Purushothama B. R.,	Dean(Planning and Development)	Member
11	Dr. Sarani Ghoshal M.	Dean(Institutional Relations & Alumni affairs)	Member
12	Dr. Nithin Kumar Y.B.	HoD,ECE	Member
13	Dr. Ragoju Ravi	HoD, HS	Member
14	Dr. Sreeraj E.S.	HoD, EEE	Member
15	Dr. Keshavamurthy B.N.	HoD, CSE	Member
16	Dr. C.Vyjayanthi	Asso. Professor, Dept. of EEE.	Board member

Registrar

National Institute of Technology
 Farmagudi, Ponda-Goa 403 401

Director

National Institute of Technology, Goa

Secretary Senate

CTE Campus, Farmagudi, Ponda,
 GOA - 403 401

Chairman Senate

NATIONAL INSTITUTE OF TECHNOLOGY GOA

Senate Meeting, 9th August 2019

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Registrar

National Institute of Technology Goa
Farmagudi, Ponda-Goa 403 401

Secretary

Senate

Director

National Institute of Technology, Goa
GCE Campus, Farmagudi, Ponda,
GOA - 403 401

Chairman Senate

NATIONAL INSTITUTE OF TECHNOLOGY GOA

Date: 27/09/2018 Time : 11.30 A.M Venue: Conference Hall, Hotel Fidalgo, Panaji, Goa

A.1 To consider and approve the list of students of 2013-17 batch of B. Tech for the award of degree in the 4th Convocation

Five students from 2013-2017 batch of B.Tech. is recommended for the award of B.Tech. degree in the 4th Convocation who has completed all the requirements towards the award of degree. The details of the student is given in ANNEXURE I (Page No.7-8)

Dept.	No. of students appeared for the final examination	No. of students eligible for the award of degree			
		CGPA 8.5 and above (Distinction)	CGPA 6.5 and above but less than 8.5 (First Class)	Less than 6.5 CGPA	Total No. of Students
CSE	2	0	1	1	2
EEE	0	0	0	0	0
ECE	3	0	1	2	3
TOTAL	5	0	2	3	5

Resolution of the Senate:

Senate recommended to the board for the award of the BTech degree to the proposed students.

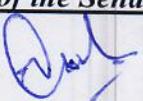
A.2 To consider and approve the list of students of 2014-18 batch of B. Tech for the award of degree in the 4th Convocation.

Total 81 names from 2014-18 batch of B.Tech. were recommended for the award of B.Tech. degree in the 3rd Convocation who have completed all the requirements towards the award of degree. The list of students proposed for the award of B.Tech. degree is given in ANNEXURE I (Page No.7-8)

Dept.	No. of students appeared for the final examination	No. of students eligible for the award of degree			
		CGPA 8.5 and above (Distinction)	CGPA 6.5 and above but less than 8.5 (First Class)	Less than 6.5 CGPA	Total No. of Students
CSE	30	7	21	1	29
EEE	26	5	19	1	25
ECE	27	7	19	1	27
TOTAL	83	19	59	3	81

Resolution of the Senate:

Registrar
 National Institute of Technology Goa
 Farmagudi, Ponda-Goa 403 401
 Secretary Senate


 Director

National Institute of Technology, Goa
 GCE Campus, Farmagudi, Ponda,
 GOA - 403 401
 Chairman Senate

NATIONAL INSTITUTE OF TECHNOLOGY GOA

Senate Meeting, 9th August 2019

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Senate recommended to the board for the award of the BTech degree to the proposed students.

A.3 To consider and approve the names of medal recipients of 2014-18 batch of B. Tech. who will be honored in 4th Convocation.

There will be one Gold medal called Director's Medal for academic topper of the Institute. There will be three Gold medals for the toppers in each department. The names and details of the recipients is given in the following table.

Sl. No.	Medal Name	Dept.	Reg. No.	Student Name	CGPA
1	Director's Gold Medal	EEE	14EEE1063	ASHWIN K	9.78
2	Gold Medal	CSE	14CSE1031	KEVIN INACIO DO ROSARIO MONTEIRO	9.33
3	Gold Medal	EEE	14EEE1063	ASHWIN K	9.78
4	Gold Medal	ECE	14ECE1031	ALVARES LORRAINE ANNE	9.26

Resolution of the Senate:

Senate recommended to the board for the award of the medals to the proposed students.

A.4 To consider and approve the list of students of 2015-17 batch of M. Tech. to be awarded with degree in 4th Convocation.

One student from 2015-2017 batch of M.Tech. is recommended for the award of M.Tech. degree in the 4th Convocation who has completed all the requirements towards the award of degree. The details of the student is given in ANNEXURE II (Page No.9-10)

Specialization	No. of students appeared for the final examination	No. of students eligible for the award of degree			
		CGPA 8.5 and above (Distinction)	CGPA 6.5 and above but less than 8.5 (First Class)	Less than 6.5 CGPA	Total No. of Students
CSE	0	0	0	0	0
PEPS	1	0	1	0	1
VLSI	0	0	0	0	0
TOTAL	1	0	1	0	1

Resolution of the Senate:

Senate recommended to the board for the award of the MTech degree to the proposed students

A.5 To consider and approve the list of candidates of 2016-18 batch of M. Tech. to be awarded with degree in the 4th Convocation.

Total 41 names from 2016-18 batch of M.Tech. were recommended for the award of M.Tech. degree in the 4th Convocation who have completed all the requirements towards the award of degree. The list of students proposed for the award of M.Tech. degree is given in ANNEXURE II (Page No.9-10)

Specialization	No. of students appeared	No. of students eligible for the award of degree			
		CGPA 8.5 and above	CGPA 6.5 and above but less	Less than	Total No. of

	for the final examination	(Distinction)	than 8.5 (First Class)	6.5 CGPA	Students
CSE	14	5	9	0	14
PEPS	12	5	7	0	12
VLSI	15	7	8	0	15
TOTAL	41	17	24	0	41

Resolution of the Senate:

The Senate appreciated the effort put up by the Institute and the faculty of NIT Goa in proposing the names of 41 students for the award of the MTech degree in the 4th Convocation.

Senate recommended to the board for the award of the MTech degree to the proposed students

A.6 To consider and approve the names of medal recipients of 2016-18 batch of M.Tech. who will be honored in 4th Convocation.

There will be one Gold medal called Director's Medal for academic topper of the Institute. There will be three Gold medals for the toppers in each department. The names and details of the recipients is given in the following table.

Sl. No.	Medal Name	Dept.	Reg. No.	Student Name	CGPA
1	Director's Gold Medal	EEE	16CSE2009	DODIA SHUBHAM JAGDISH	9.64
2	Gold Medal	CSE	16CSE2009	DODIA SHUBHAM JAGDISH	9.64
3	Gold Medal	EEE	16EEE2005	SHAIK BENAZEER	9.03
4	Gold Medal	ECE	16ECE2013	SHOBHA	9.13

Resolution of the Senate:

Senate recommended to the board for the award of the medals to the proposed students.

A.7 To consider and approve the list of candidates to be conferred with the Ph.D. degree of the Institute

Five students are recommended for the award of Ph.D. degree in the 4th Convocation who has completed all the requirements towards the award of degree. The details of the students is given in ANNEXURE III (Page No.11)

Department	No. of students eligible for the award of degree
CSE	3
EEE	1
ECE	1
Total	5

Registrar

National Institute of Technology Goa
Farmagudi, Ponda-Goa 403 401
GCE Campus, Farmagudi, Ponda,
GOA - 403 401
Chairman Senate

Resolution of the Senate:

The Senate congratulated and appreciated the effort put up by the institute and the faculty of NIT Goa in proposing the names of 5 students for the award of the PhD degree in the 4th Convocation.

Senate recommended to the board for the award of the PhD degree to the proposed students

A.8 To approve the format of the PhD degree certificate

There are 5 candidates who have eligible for the award of the Ph.D. degree of the Institute. Hence it is necessary to approve the format of the degree certificate. The PhD degree certificate is available in Annexure IV (Page No. 12).

Resolution of the Senate:

Senate approved the proposed format for PhD degree certificate.

A.9 To approve the award of “Honoris Causa” for the eminent personality

It is proposed to confer the “Honoris Causa” degree of the Institute to Shri Manohar Parrikar, an IIT Bombay Alumnus, Defense Minister, Govt. of India (November 2014-March 2017) for his contributions in the field of Technical Education, Nation Building, Public Welfare and Societal Commitments. His CV is available in Annexure V (Page No.13)

Resolution of the Senate:

Senate recommended to the board the award of the Honoris Causa degree to the proposed candidate and also approved the format of the degree certificate for the same.

A.10 Additional items, if any, with permission of the Chairman, Senate

Registrar
National Institute of Technology
Farmagudi, Ponda-Goa 403 401

Secretary Senate

National Institute of Technology, Goa
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Chairman Senate

Annexure I

**BACHELOR OF TECHNOLOGY (B.Tech.) DEGREE AWARDEES IN
4th CONVOCATION**

**Admission Batch: 2013 -2014
Computer Science and Engineering**

SL. NO.	REG. NO.	STUDENT NAME
1	13CSE007	ARJIT PUNIA
2	13CSE022	SHASHANK PRAKASH SRIVASTAVA

Electronics and Communication Engineering

SL. NO.	REG. NO.	STUDENT NAME
1	13ECE030	D ARUN KUMAR
2	13ECE036	DEEPAK KUMAR
3	13ECE053	VAIBHAV KATARIA

**Admission Batch: 2014 -2018
Computer Science and Engineering**

SL. NO.	REG. NO.	STUDENT NAME
1	14CSE1001	AMIT KUMAR
2	14CSE1002	ANNETTE CATHERINE PAUL
3	14CSE1003	BIKUMALLA PRUDHVI RAJ
4	14CSE1004	COLACO LARREN FRANCIS
5	14CSE1005	DHAVALIKAR GAURI PANDURANG
6	14CSE1006	GORLE HEMAVATHI
7	14CSE1007	HIMANSHU SINGH
8	14CSE1008	KAMISETTY YAMINI PREETHI
9	14CSE1009	KARETI VINEETH SAI
10	14CSE1010	KULDEEP SINGH
11	14CSE1012	MANGALOREKAR KUNAL GAUTAM
12	14CSE1013	MANJREKAR CHINMESH GURUNATH
13	14CSE1014	MD FAHIM ANSARI
14	14CSE1015	NIDHI RANJAN
15	14CSE1016	NIKHIL CHAUDHARY
16	14CSE1017	OM PRAKASH VERMA
17	14CSE1018	PALASH RAJENDRA SOUNDARKAR
18	14CSE1019	PRANAV VINOD MACHINGAL
19	14CSE1021	REETWIK DAS
20	14CSE1022	ROHIT RAJ HASMUKH
21	14CSE1023	SHAHIL AHMED C G
22	14CSE1024	SOURAB M
23	14CSE1025	SUHANI SHRIVASTAVA
24	14CSE1026	SUNIL SRI DATTA JAMMALAMADAKA
25	14CSE1027	TAMBA SOHAM GIRISH
26	14CSE1028	TANGELLA MANVITHA
27	14CSE1029	VANNATI SAI KUMAR
28	14CSE1030	YALLAMELLI ABHISHEK
29	14CSE1031	KEVIN INACIO DO ROSARIO MONTEIRO



Registrar



Director

NATIONAL INSTITUTE OF TECHNOLOGY GOA

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Electrical and Electronics Engineering

SL. NO.	REG. NO.	STUDENT NAME
1	14EEE1061	ABHIMANYU MAURYA
2	14EEE1062	BHATTACHARJEE ARUNABH
3	14EEE1063	ASHWIN K
4	14EEE1064	ASISH RAJAN
5	14EEE1065	BHAGAWATBHAI VAD
6	14EEE1066	CHIGICHERLA KIRAN
7	14EEE1067	D MOHAN KUMAR
8	14EEE1069	DURGA PRASAD KHATROTHU
9	14EEE1071	KRISHNA KADAM
10	14EEE1073	MAHSOOQ ABDUL MAJEED
11	14EEE1074	NAIK ROHAN GOVIND
12	14EEE1076	NAGARAJU NALLA
13	14EEE1077	NAROJU SANDARSH
14	14EEE1078	PATEL PRANAVKUMAR JAYESHBHAI
15	14EEE1079	PATIL NIKHIL SURESH
16	14EEE1080	POONDLA VENKATA RAMYA
17	14EEE1081	PRINCE
18	14EEE1082	RAHUL BATRA
19	14EEE1083	SANKI PRAVALLIKA
20	14EEE1084	SHENVI AMONKAR KAPIL VASSUDEV
21	14EEE1085	SINAI PISSURLENCAR ROHAN PRASAD
22	14EEE1086	SK ROSHAN ALI
23	14EEE1087	SPANDANA KODALI
24	14EEE1088	SUMEET KHANNA
25	14EEE1089	THELLA MAHESH

Electronics and Communication Engineering

SL. NO.	REG. NO.	STUDENT NAME
1	14ECE1031	ALVARES LORRAINE ANNE
2	14ECE1032	ASHA ANIL
3	14ECE1033	AYALASOMAYAJULA AVINASH
4	14ECE1034	BALE RAJ PRAKASH
5	14ECE1035	BANKAR NIKITA SUBHASH
6	14ECE1036	BHAVEEN KUMAR
7	14ECE1037	CHINCHU PANDIAN SATISH KUMAR
8	14ECE1038	DESAI RAHUL SUHAS
9	14ECE1039	GOVEKAR DEVESH DIGAMBAR
10	14ECE1040	K YASHWANTH
11	14ECE1041	KATTULA USHA LAHARI
12	14ECE1042	MACHERLA SRIJA
13	14ECE1043	MANEESH KUMAR BARANWAL
14	14ECE1044	MARRI VINEETH REDDY
15	14ECE1045	MEHRA TANISHQ
16	14ECE1046	NAIK SANMITRA BHARAT
17	14ECE1047	NAMEERA KOUSAR
18	14ECE1048	PULIGILLA PRASHANTH
19	14ECE1049	PADGAONKAR RAHUL SANTOSH
20	14ECE1050	PADIDELA VAMSHI
21	14ECE1053	RAMAKRISHNA BACHALLI
22	14ECE1054	S PRAVEEN
23	14ECE1055	SHWETA ANANT

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24	14ECE1056	TALISETTY SAI SEETHARAMAIAH
25	14ECE1057	THALY JANHAVI ALIAS MADHURI JEETENDRA
26	14ECE1058	VALLEPU DEEPTHI
27	14ECE1059	VERNEKAR EESHAAN KANHAIYA

Annexure II

**MASTER OF TECHNOLOGY (M.Tech.) DEGREE AWARDEES IN
4th CONVOCATION**

Admission Batch: 2015-2016
Power Electronics and Power Systems

SL. NO.	REG. NO.	STUDENT NAME
1	15EEE2007	MANOJ KUMAR MALIK

Admission Batch: 2016-2017
Computer Science and Engineering

SL. NO.	REG. NO.	STUDENT NAME
1	16CSE2002	ADITYA KUMAR
2	16CSE2003	GEDAM ASHWIT ASHOK
3	16CSE2004	KADAM DEEKSHA MILIND
4	16CSE2005	KAVERI CHATRA
5	16CSE2006	MANDEEP KUMAR
6	16CSE2007	MARYA SANGEETHA
7	16CSE2008	SABELLA VEERRAGHAVA REDDY
8	16CSE2009	DODIA SHUBHAM JAGDISH
9	16CSE2010	SONY S ALLAPPA
10	16CSE2011	SPOORTHY V
11	16CSE2012	SWATHI P
12	16CSE2013	UPASANA BHATTACHARJEE
13	16CSE2014	VISHNU KUMAR
14	16CSE2015	SIDDARAM S BADIGER

Power Electronics and Power Systems

SL. NO.	REG. NO.	STUDENT NAME
1	16EEE2002	AJAY KUMAR CHOURHARY
2	16EEE2003	AKKIREDDY ASWANI KUMAR
3	16EEE2005	SHAIK BENAZEER
4	16EEE2007	GOMATHI RAMALINGAM
5	16EEE2008	GUNUPATI KRISHNA REDDY
6	16EEE2009	KANDUKURI SURENDRA
7	16EEE2010	KOLAKALURI VINAY KUMAR
8	16EEE2012	KAMBLE PRATIKSHA HIRDIRAM
9	16EEE2013	PRIYANKA YUSSUF
10	16EEE2015	SHEETAL CYRIAC

NATIONAL INSTITUTE OF TECHNOLOGY GOA
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11	16EEE2016	SHUBHAM KUMAR PAYASI
12	16EEE2017	VISHAL BHARTI

VLSI

SL. NO.	REG. NO.	STUDENT NAME
1	16ECE2001	ANIRUDHA PANDEY
2	16ECE2003	BRIJESH KUMAR
3	16ECE2004	CHETAN KAMBLE S
4	16ECE2006	DHAVALA SHASHIDHAR
5	16ECE2007	H PREM SAI KUMAR
6	16ECE2009	PRASAD VERNEKAR
7	16ECE2010	PRAVEEN YADAV
8	16ECE2011	PURNIMA KALEKAR
9	16ECE2012	SARATH KRISHNANUNNI K S
10	16ECE2013	SHOBHA
11	16ECE2014	SUNIL RATHORE
12	16ECE2015	TALLURI VINEEL JESSY
13	16ECE2016	JIMMIDI MURALIDHAR BABU
14	16ECE2017	PRADEEP R
15	16ECE2018	BARVE SAMPADA UDAIKUMAR

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Director
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GOA - 403 401

Chairman Senate

Annexure III

**DOCTOR OF PHILOSOPHY (PH.D.) DEGREE AWARDEES IN
4th CONVOCATION**

Computer Science and Engineering

S.No.	Reg. No.	Name	Title
1.	15CSE3004	RAMALINGASWAMY CHERUKU	“Design and Development of Efficient Soft Computing Algorithms for Identification of Type-2 Diabetes Mellitus”
2.	14CSE3002	DIWAKAR PRASAD TRIPATHI	“Credit Score Data Classification for Credit Risk Analysis using Soft Computing Techniques”
3.	14CSE3001	AHSAN HUSSAIN	“Data Mining Techniques for Enhancing Communication And Accurate Location Prediction in Social Networks”

Electrical and Electronics Engineering

S.No.	Reg. No.	Name	Title
1.	14EEE3001	MATAM MANJUNATH	“Advanced Reconfigurable Solar Photovoltaic ARRY Strategies for Normal and Partial Shade Conditions”

Electronics and Communication Engineering

S.No.	Reg. No.	Name	Title
1.	14ECE3001	B NARESH KUMAR REDDY	“System Level Fault Tolerance Core Mapping on NOC with Enhanced Performance and Energy Efficiency”

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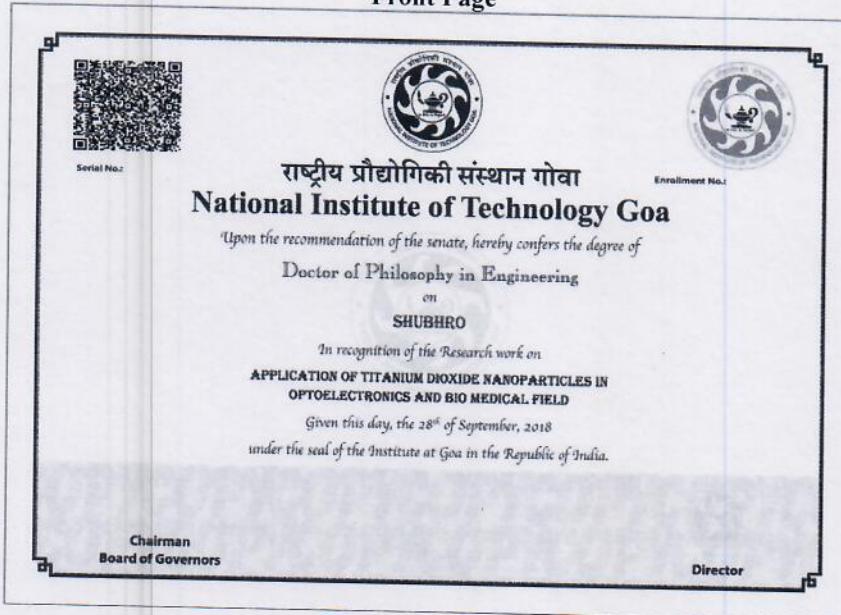
Secretary Senate

Director

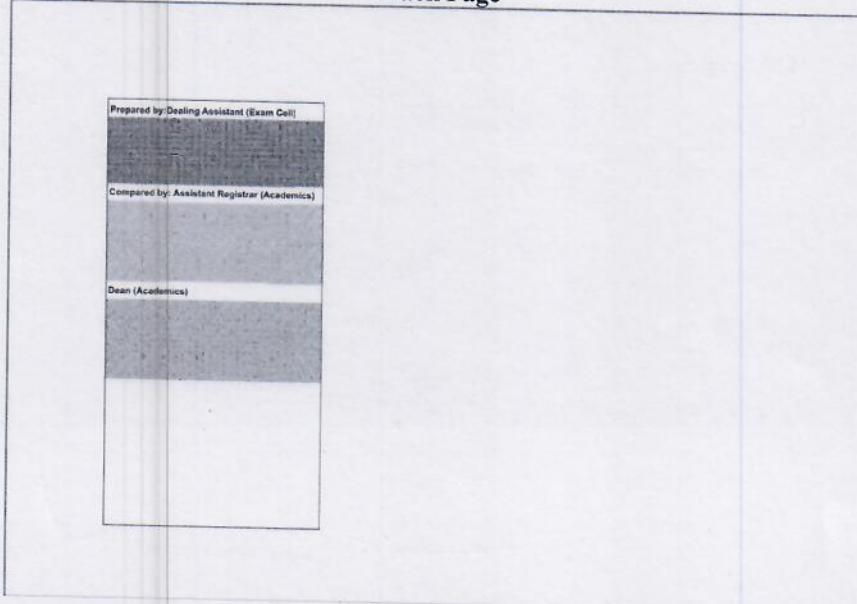
Chairman Senate

Annexure IV

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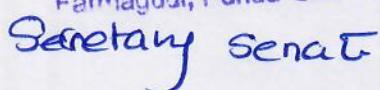


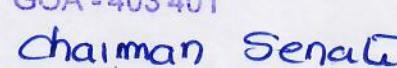
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National Institute of Technology, Goa


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Chairman Senate

Annexure V

Manohar Parrikar, IIT Bombay Alumnus, Defence Minister (Nov: 2014—Mar: 2017) Chief Minister of Goa

Contribution

- Ensured minimum loss of life as a Defence Minister and worked with Major D. P Singh, an amputee, on this aspect
- Logistics Exchange Memorandum of Agreement, or LEMOA – an agreement for close military cooperation – with the US. In many ways, this was a major departure from India's foreign policy objective to avoid any military pact with a foreign power.
- He set up a number of committees to look into matters ranging from wage and pension anomalies to defence purchases in a bid to make the ministry more efficient.
- Introduced a scheme of providing education to special children. The scheme, to help the schools create infrastructure by providing loan, was introduced in 2015 under which grant up to Rs. 1 to 2 crore is provided to the institutions.
- The scheme of providing e-notepads to students studying in the fifth and the ninth standards.
- Griha Aadhar Scheme of Rs. 15,000/ to be paid to middle class and lower middle class house wives in the state (2012)
- Ladli Laxmi Scheme of Rs. 1 Lakh to be paid to Girl Child (2012)
- Issuance of Kisan cards--a credit delivery mechanism, due to the Kisan Card, readymade data of each farmer on cultivation is available. This data can be used as a base for deciding his upper limit for loan of Rs. 50,000/
- Launch of Umbrella scheme in 2017 to provide financial assistance to State-based entrepreneurs of Start-Ups
- Dayanand Social Security scheme, under which, the government gives a monthly financial aid of 2,000 to senior citizens, widows, disabled and HIV/AIDS-affected persons. Goa has a total of 1, 18,000 DSSS beneficiaries and the monthly financial outgo for the scheme is Rs. 23 crore.
- Baby-Screening scheme to screen newborn babies for detecting metabolic disorders. Parrikar reintroduced the scheme after Congress

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Annexure II**National Institute of Technology GOA – Proposed Curriculum for BTech in Computer Science and Engineering**

No.	1st Semester	C	2nd Semester	C	3rd Semester	C	4th Semester	C	5th Semester	C	6th Semester	C	7th Semester	C	8th Semester	C
1	Mathematics-I	4	Mathematics-II	4	Mathematics-III (Probability & Statistics)	3	Mathematics-IV (Mathematical Modelling & Optimization Techniques)	3	Environmental Studies	1	Management	3	Elective-IV	3	Major Project - II	10
2	Physics	3	Discrete Mathematics	4	Principles of Data Communication	3	Engineering Ethics	1	Operating Systems	4	Cryptography & Network Security	4	Elective-V	3	Seminar	2
3	Engineering Mechanics	3	Chemistry	3	Data Structures	4	Database Systems	4	Computer Networks	3	Wireless Networks	3	Elective-VI	3	Elective – IX	3*
4	Computer Programming and Problem solving	3	Digital Systems Design	2	Economics	3	Software Engineering	3	Compiler Design	4	Machine Learning	4	Elective-VII	3	Elective-X	3*
5	Professional Communication	3	Object Oriented Programming	3	Principles of Programming Languages	4	Theory of Computation	4	Design & Analysis of Algorithms	4	Elective-II a)Data Science b)Algorithmic Coding Theory c)Software Testing d) Systems Programming	3	Elective-VIII	3		
6	Basic electrical & Electronics Engineering	3	Physical Education	1	Computer Organization & Architecture	4	Microprocessors & Microcontroller s	3	Elective-I: i) DWDM ii) CNT iii) OOAD iv) File Structures	3	Elective-III e) Distributed Systems f) Information Security g) SOA h) Advanced Data Structures	3	Summer Project/ Training	1		
7			Corporate Communication	3												
Lab	Lab	Lab	Lab	Lab	Lab	Lab	Lab	Lab	Lab	Lab	Lab	Lab	Lab	Lab	Lab	Lab
1	Physics Lab	2	Object Oriented Programming Lab	2	Digital Systems Design Lab	2	Database Systems Lab	2	Networks Lab	2	Software Lab-1	2				
2	Computer Programming and Problem solving Lab	2	Chemistry-Laboratory	2	Data Structures Lab	2	Software Engineering Lab	2	Operating Systems Lab	2	Software Lab-2	2				
3			Basic Electrical & Electronics Engineering Lab	2			Computational Tools Lab	2	Compiler Design Lab	2						
		23		26		25		24		25		24		16		12 175

C Credits

Common
Course across
all Branches of
NIT Goa

Total Credit Requirement for the
Award of Degree

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Annexure III

National Institute of Technology Goa - Proposed Curriculum for BTech in Civil Engineering

No.	1st Semester	C	2nd Semester	C	3rd Semester	C	4th Semester	C	5th Semester	C	6th Semester	C	7th Semester	C	8th Semester	C
1	Mathematics-I	4	Mathematics-II	4	Mathematics - III	3	Mathematics - IV (Numerical Methods)	3	Environmental Studies	1	Elective-II	3	Elective-IV	3	Major Project	10
2	Physics	3	Mechanics of Materials	3	Structural Analysis-I	3	Engineering Ethics	1	Economics	3	Elective-III	3	Elective-V	3	Seminar	2
3	Engineering Mechanics	3	Chemistry	3	Mechanics of Fluids	3	Structural Analysis-II	3	Elective-I	3	Management	3	Elective-VI	3	Elective IX	3*
4	Computer Programming and Problem Solving	3	Earth Science	2	Transportation Engg.	4	Surveying	3	Structural Design - RCC	4	Structural Design - Steel	4	Elective-VII	3	Elective X	3*
5	Professional Communication	3	Engineering Drawing	3	Planning and Functional Design of buildings	3	Concrete Technology	4	Water Resource Engg.	3	Environmental Engg.	4	Elective-VII	3		
6	Basic Electrical and Electronics Engineering	3	Physical Education	1	Building Material and Construction Technology	3	Geotechnical Engg.	4	Estimation and Costing	4	Construction, Planning and Management	4	Summer Project/Training	1		
7			Corporate Communication	3											Advanced Geo-environmental Engg./Advanced Pre-Stressed Composite Materials/Earthquake resistant structures/Disaster Management and Mitigation	
Lab	Lab	Lab	Lab	Lab	Lab	Lab	Lab	Lab	Lab	Lab	Lab	Lab	Lab	Lab	Lab	Lab
1	Physics Laboratory	2	Workshop Practices	2	Fluid Mechanics Lab	2	Survey Lab	2	Building Design and Drawing Lab	2	Environmental Engg. - Lab	2				
2	Computer Programming and Problem solving Laboratory	2	Chemistry- Laboratory	2	Material Testing Lab	2	Concrete Technology Lab	2	Estimation and Costing - Lab	2						
3	Basic electrical and Electronics Engineering Lab	2	Earth Science Lab	2	Transportation Engg. - Lab	2	Geotechnical Engg. Lab	2								
		25		25		24		24		22		23		19		12 175

Credits

Common Course across all Branches of NIT Goa

Total Credit Requirement for the award of degree

A

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National Institute of Technology GOA -Proposed Curriculum for Btech in Electrical and Electronics Engineering

No.	1st Semester	C	2nd Semester	C	3rd Semester	C	4th Semester	C	5th Semester	C	6th Semester	C	7th Semester	C	8th Semester	C
1	Mathematics-I	4	Mathematics-II	4	Maths - III	3	Maths - IV (Numerical Methods, Probability & Statistics)	3	Environmental Studies	1	Elective-II	3	Elective-IV	3	Major Project	10
2	Physics	3	Semiconductor Devices	3	Integrated Circuits	3	Microprocessors and Microcontrollers	3	Economics	3	Elective-III	3	Elective-V	3	Seminar	2
3	Engineering Mechanics	3	Chemistry	3	Electrical Machines	4	Electromagnetic Theory	3	Power Electronics	4	Electrical Drives	4	Elective-VI	3	Elective-X	3*
4	Programming and Problem solving	3	Mechanical Engineering	2	Circuit Theory	4	Signals and Systems	3	Control Systems	4	Power System Analysis	4	Elective-VII	3	Elective-X	3*
5	Professional Communication	3	Engineering Drawing	3	Data Structure and Algorithms	3	Power Generation and Economics	3	Power System Protection	3	Soft Computing	3	Elective-VIII	3		
6	Basic Electrical and Electronics Engineering	3	Physical Education	1	Digital Logic Design	3	Power System Transmission and Distribution	3	Digital Signal Processing	3	Management	3	Power System Operation and Control	3		
			Corporate Communication	3			Engineering Ethics	1	Elective-I	3			Summer Project/Training	1		
	Lab	Lab	Lab		Lab		Lab		Lab		Lab		Lab		Lab	
1	Physics Laboratory	2	Electrical Workshop	2	Data Structure and Algorithms Lab	2	Microprocessors Lab	2	Electrical and Electronic Design Lab	2	Power Electronics and Drives Lab	2				
2	Computer Programming and Problem solving Laboratory	2	Chemistry-Laboratory	2	Integrated Circuit Lab	2	Electrical Machines Lab	2	Control systems Lab	2	Power Systems Simulation lab	2				
3			Basis Electrical and Electronics Engineering Lab	2												
			23	25	24	24	23	25					24	25	19	12 175

Total Credit Requirement for the Award of Degree is
to be

Common Course across all Branches of NIT Goa

Credits

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National Institute of Technology Goa - Proposed Curriculum for Btech in Electronics & Communication Engineering Curriculum

No.	1st Semester	C	2nd Semester	C	3rd Semester	C	4th Semester	C	5th Semester	C	6th Semester	C	7th Semester	C	8th Semester	C
1	Mathematics-I	4	Mathematics-II	4	Maths - III	3	Maths - IV()	3	Environmental Studies	1	Elective-I	3	Elective-IV	3	Major Project	10
2	Physics	3	Semiconductor Devices	3	Digital System Design	3	Engineering Ethics	1	Economics	3	Elective-II	3	Elective-V	3	Seminar	2
3	Engineering Mechanics	3	Chemistry	3	Signals & Systems	4	Analog Electronics	3	Elective-I	3	Management	3	Elective-VI	3	Elective IX	3*
	Computer Programming and Problem solving theory	3	Elements of Mechanical Engineering	2	Network Analysis and Synthesis	4	Analog Communication	4	Linear Integrated Circuits	3	Microwave Devices and Circuits	3	Elective VII	3	Elective X	3*
4	Professional Communication	3	Engineering Drawing	3	Electromagnetic Theory	4	Control System	4	Digital Signal Processing	4	Digital VLSI Design	3	Elective-VII	3	Elective X	3*
5	Basic electrical and Electronics Engineering	3	Corporate Communication	3	Data Structures and Algorithms	3	Microprocessor & Microcontroller	3	Computer Organization and Architecture	3	Digital Communication	4	Summer Project/Training	1		
6			Physical Education	1					Antenna & Wave Propagation	3	Information Theory and coding	3				
	Lab		Lab		Lab		Lab		Lab		Lab		Lab		Lab	
1	Physics Laboratory	2	Digital Logic Lab	2	Digital System Design Lab	2	Analog Electronics Lab	2	Digital Signal Processing Lab	2	Digital VLSI Design Lab	2				
2	Computer Programming and Problem solving Lab	2	Chemistry-Laboratory	2	Signals & Systems Lab	2	Analog Communication Lab	2	Linear Integrated Circuits	2	Advanced Communication Lab	2				
3			Basic Electrical and Electronics Engineering Lab	2			Microprocessor & Microcontroller Lab	2								
				23	25	25			24		24		26		16	12 175

C Credits

Common Course across all Branches of NIT Goa

Total Credit Requirement for
the Award of Degree

Annexure VI

NATIONAL INSTITUTE OF TECHNOLOGY GOA - Proposed Curriculum for Btech in Mechanical Engineering																
Sl.No	I Sem	C	II Sem	C	III Sem	C	IV Sem	C	V Sem	C	VI Sem	C	VII Sem	C	VIII Sem	C
1	Mathematics-I	4	Mathematics-II	4	Mathematics-III	3	Mathematics-IV (Numerical Methods & Statistics)	3	Environmental Studies	1	Elective II	3	Elective IV	3	Major Project	10
2	Physics	3	Chemistry	3	Mechanics of Solids	3	Applied Thermodynamics	3	Economics	3	Elective III	3	Elective V	3	Technical Seminar	2
3	Engg. Mechanics	3	Material Science	3	Materials and Metallurgical Engineering	3	Power Plant Engineering	3	Elective I	3	Management	3	Elective VI	3	Elective IX	3*
4	Computer Programming and Problem Solving	3	Elements of Mechanical Engineering	2	Fluid Mechanics	3	Manufacturing Technology-I	3	Manufacturing Technology-II	3	Heat Transfer	3	Elective VII	3	Elective X	3*
5	Basic Electrical and Electronics	3	Engineering Drawing	3	Basic Thermodynamics	3	Mechanics of Machines	4	CAD/CAM	3	Machine Design - II	4	Elective VIII	3	-----	---
6	Professional Communication	3	Physical Education	1	Electrical and Electronics Technology	3	Measurement and Metrology	3	Machine Design - I	4	Automobile Engineering	3	IE & OR	4	-----	---
7	-----	---	Communication	3	Machine Drawing	3	Engineering Ethics	1	-----	-----	-----	-----	Summer Training /Project	1	-----	---
	Lab		Lab		Lab		Lab		Lab		Lab		Lab		Lab	
1	Physics Lab	2	Chemistry Lab	2	Electrical and Electronics Technology	2	Mechanics of Machines Lab	2	Mechanical Lab - I	2	Mechanical Lab - II	2	-----	---	-----	---
2	Computer Programming Lab	2	Basic Electrical and Electronics Engineering Lab	2	-----	---	Fluid Mechanics Lab	2	Measurement and Metrology Lab	2	CAD/CAM Lab	2	-----	---	-----	---
3	-----	---	Workshop Practice	2	-----	---	-----	---	Mechanical Workshop -I	2	Mechanical Workshop -II	2	-----	---	-----	---
Semester															Grand Total of Credits	
Total Credits																175

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