

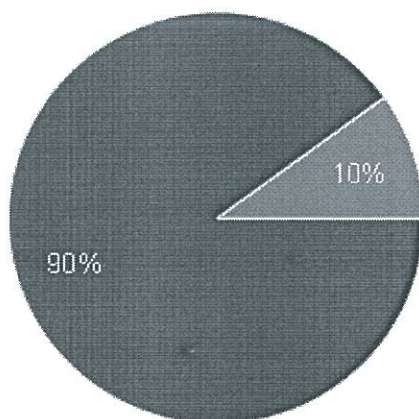
CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY
Faculty of Technology and Engineering
U & P U. Patel Department of Computer Engineering

Stockholder Analysis Report (A.Y 2016-17)

- Making changes in the teaching methodologies of first year students is required
- Comparatively new syllabus as per other university
- Learned a lot in academic as well as soft skills
- There should be latest book of technology available in library
- Reduce assignments
- Credit based course selection should be practiced, where the students himself select the course according to his interest
- Have to establish different coding culture

The Course workload is manageable throughout the course.

20 responses



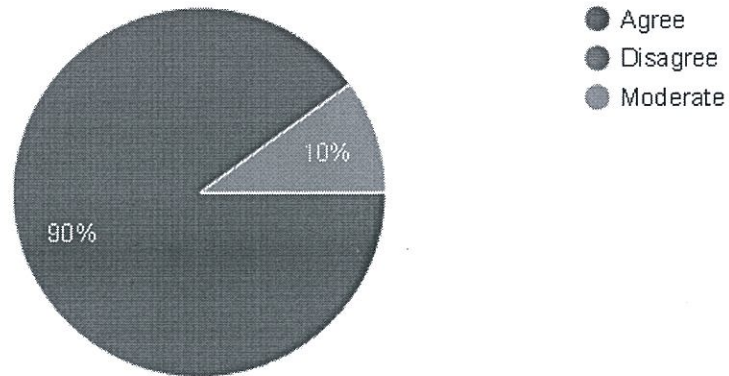
- Agree
- Disagree
- Moderate

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The Course is well structured to achieve the learning outcomes (e.g. No of lectures, tutorials, practical etc.)

20 responses



Dr. Ritesh Patel
Head, CE Dept.

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Faculty of Technology and Engineering
U & P U. Patel Department of Computer Engineering

Date: 03/09/2016

Feedback on Curriculum Design (A.Y 2016-17)

Feedback from Industry Expert

- Introduce current industry courses which helps students in their jobs
- Best course design in Gujarat
- Apply methodologies used in industries in teaching curriculum
- Attendance criteria need to change
- Make courses like AI, Advance Java, AWT mandatory
- Exam pattern is very theoretical, practical approach should be added
- Focus more on conceptual development of subject
- Update or change courses according to new trends in technology
- Online courses for all subject are not necessary, instead it could be one course certification per sem. That too related to area of interest of the student
- Reduce written assignments, give more practical projects
- Need to increase the no. of industry visits
- When we are made aware about a new subject, sometimes it is new for the faculties as well. If possible, allocate faculties who have experience in particular subject. I know that if faculty becomes an expert in that subject, they might leave CHARUSAT because of the next big opportunity. That is the trade off, CHARUSAT needs to work on
- Making changes in the teaching methodologies of first year students is required
- Comparatively new syllabus as per other university
- Learned a lot in academic as well as soft skills
- There should be latest book of technology available in library
- Reduce assignments
- Credit based course selection should be practiced, where the students himself select the course according to his interest
- Have to establish different coding culture

Action Taken:

- Removed object oriented portion and expanded Java Collection Frameworks and Generics Inheritance, Interfaces & Packages.
- Subject cloud computing and data mining is revised.
- Subject Computer Organization is introduced in second year with revision.

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Feedback from Stakeholders

The department has formal and informal mechanisms to obtain feedback from stakeholders through various committees, associations, organization, etc. The suggestions and feedbacks of stakeholders were discussed in BoS meeting and got approval in Board of studies, Academic council and made the approved changes in the syllabus.

- Syllabus is designed according to the industry perspective, only thing is that course on big data should be introduced as separate track.
- The subject of CE341- Processor Architecture needs to be renamed as Microprocessor Architectures and Assembly Programming. Peripherals and interface are suggested to be removed (need to be added in COA subject) and in place of that arm programming, advanced architecture(s) need to be introduced.
- In CE343- Software Engineering subject, SDLC practical mapping should be covered during practical.
- The CE344- Computer Network & Internetworking Layers renamed as Computer Networks. Suggested to add a book named as Computer Networking A Top-Down Approach by Jim Kurose.
- In Programme Elective - I, CE371- Advanced Java programming Java Server Faces2.0 need to removed and introduced more on Java Spring. CE372- Advanced Programming using .NET Framework renamed as Programming in .NET Technology. Suggested to add one more subject named as Python Programming.
- In CE347- Internals of Operating System suggested being removed unit 1 to 5 and need to be added System call programming, Device Driver and Kernel Rebuilding.
- In CE348- Cryptography & Network Security weightage of Probability and Number Theory need to be increased and suggested to rename as Information Security.
- In CE349- Theory of Computation, weightage of unit 6 need to be increased (upto 06 hrs)
- CE375- Image Processing should be renamed as Digital Image Processing.

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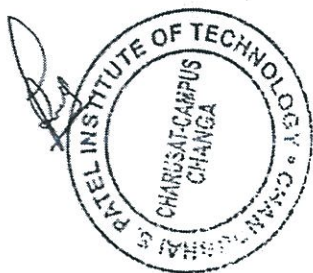
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Action Taken:

- From the next Academic year Subject like DBMS and ADBMS combined and also introduced Big data as a separate compulsory subject instead of in Elective track.
- Subject Web Technologies is shifted from 5th to 4th semester.
- University Elective(s) are added in CBCS. CE281- Art of Programming and CE282- Web Designing in semester 3rd and 4th are offered respectively.
- The changes suggested by the members are agreed to be incorporated of 3rd year B Tech (CBCS) with detailed syllabus of 5th and 6th semester of B Tech courses scheme effective from 2018-19

As most of the suggestion were incorporated in BoS (Annexure I)



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Annexure I

13th BOS

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CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY
Faculty of Technology and Engineering (FTE)
Minutes – 13th Meeting of Board of studies (BoS)
U & P U. Patel Department of Computer Engineering

Date : August 26, 2017, Saturday

Time : 10:00 am

Venue : Conference Room, Building-II, CSPIT, CHARUSAT Campus

The 13th meeting of the Board of studies, U & P U. Patel Department of Computer Engineering, FTE, Charotar University of Science & Technology (CHARUSAT) were held on 26th August, 2017 at 10:00 a.m. onwards at conference room, CSPIT, CHARUSAT campus.

Following BOS members were remained present:

1.	Dr. Amit Ganatra	Chairman	Dean, Faculty of Tech & Engg HOD, CE Dept.
2.	Prof. B V Buddhdev	External	Principal, GEC, Bhavnagar
3.	Dr. Sanjay Chaudhari	External	Professor, IICT, Ahmedabad University
4.	Mr. Nikuj Patel	External	Sr. Vice-President Capgemini, Ahmedabad
5.	Prof. Ritesh Patel	Member	Associate. Prof.
6.	Prof. Arpita Shah	Member	Asst. Prof.
7.	Prof. Ashwin Makwana	Member	Asst. Prof.
8.	Prof. Nikita Bhatt	Member	Asst. Prof.
9	Prof. Dweepna Garg	Member	Asst. Prof., DEPSTAR – CE
Special Invitees			
1.	Dr. Ketan Kotecha	Provost, Parul University, Vadodara	
2.	Prof. M. T. Savaliya	Head, Computer Dept, VGEC, Chandkheda	

Certified By:



Initiation:

Dr. Amit Ganatra (Chairman-BOS) greeted all the invited members of Board of Studies for 13th BOS meeting. He briefed the overall activities carried out by the department during last year.

Agenda Proceedings & Resolutions:-

Item 13.01: For Discussion and Approval;

To approve the teaching scheme for all the semesters of B Tech CBCS courses which was made effective from academic year 2016-2017 (Total credits to be kept= around 200 for UG and 100 around for PG)

Proceedings 13.01:

- Total credits of UG are kept 195. Suggested to add summer internship-I in (Summer Vacation after fourth semester) which is to be reflected in the mark-sheet of fifth semester with 03 credits.
- In MA141- Engineering Mathematics-I, topic(s): 2.3 , 2.4, 2.5, 5.5, 5.6, 6.4, 6.6 should be removed in place of these topics linear algebra, information theory and practices, interpolation, extrapolation need to be added.
- In MA142- Engineering Mathematics-II, topic(s): 2.4, 3.4, 3.5, 6.4 should be removed and statistics concepts need to be introduced in place of mentioned topics.
- In MA242- Discrete Mathematics: suggested to separate out topics Relations, Lattices and Boolean algebra and give more contact hours. Also suggested to add Generating function.
- Subject Engineering Physics need to be revised.
- Reframe Programme Elective-III in 7th Semester.

Resolutions 13.01:

- The appropriate modifications in the existing Teaching and Examination Scheme of B.Tech effective from (2017-18) are incorporated and the changes recommend for higher semesters will be discussed again and approved in next BOS.
- Second and Third point(s) are incorporated in Teaching Scheme (Effective Batch 2018 – A.Y 2018-19). New Subject Code(s) are as MA141.01 - Engineering Mathematics-I and MA142.01- Engineering Mathematics-II.

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- Fourth point is incorporated and will be effective from (Batch 2017- A.Y 2018-19). New subject code is MA242.01- Discrete Mathematics.
- New subject code is incorporated as PY141.01.

Note: The changes suggested by the members are incorporated. Proposed CBCS Teaching and Examination Scheme along with syllabus of CBCS B.Tech (E.F 2017-18) is attached herewith as an Annexure-I.

Item 13.02: For Discussion and Approval;

To approve the Teaching scheme and detailed syllabus for CBCS B Tech courses for 3rd year (semester 5 & semester 6).

Proceedings 13.02:

- The subject of CE341- Processor Architecture needs to be renamed as Microprocessor Architectures and Assembly Programming. Peripherals and interface are suggested to be removed (need to be added in COA subject) and in place of that arm programming, advanced architecture(s) need to be introduced.
- In CE343- Software Engineering subject, SDLC practical mapping should be covered during practicals.
- The CE344- Computer Network & Internetworking Layers renamed as Computer Networks. Suggested to add a book named as Computer Networking A Top-Down Approach by Jim Kurose.
- In Programme Elective - I, CE371- Advanced Java programming Java Server Faces2.0 need to removed and introduced more on Java Spring. CE372- Advanced Programming using .NET Framework renamed as Programming in .NET Technology. Suggested to add one more subject named as Python Programming.
- In CE347- Internals of Operating System suggested being removed unit 1 to 5 and need to be added System call programming, Device Driver and Kernel Rebuilding.
- In CE348- Cryptography & Network Security weightage of Probability and Number Theory need to be increased and suggested to rename as Information Security.
- In CE349- Theory of Computation, weightage of unit 6 need to be increased (upto 06 hrs)
- CE375- Image Processing should be renamed as Digital Image Processing.

Resolutions 13.02:

- The changes suggested by the members are agreed to be incorporated. The teaching and examination scheme of 3rd year B Tech (CBCS) with detailed syllabus of 5th and 6th semester of B Tech courses scheme effective from 2018-19 was reviewed by the experts as per attached in Annexure-II

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Item 13.03: For Discussion and Approval;

Any change in PG Syllabus of CBCS courses

Proceedings 13.03:

- No changes are to be required in the current syllabus of PG-CBCS (Effective From Batch-2016-2017)

Item 13.04: For Discussion and Approval;

Preparation, Discussion and approval for the Elective Courses (University, Institute, Cluster and Program Electives)

Proceedings 13.04:

- Discussed on University Elective Courses. As per directives of university certain courses have been introduced as university elective in B.Tech 3rd and 4th semester.
- Suggested to reframe Programme Elective – II and Programme Elective – III.

Resolutions 13.04:

- As per the suggestion by 12th BOS, University Elective(s) are added in CBCS. CE281- Art of Programming and CE282- Web Designing in semester 3rd and 4th are offered respectively.
- Suggested Programme Electives are incorporated in 6th semester and 7th semester.

Item 13.05: For Discussion and Approval;

Discussion on effective implementation on OBE (PEOs, Cos, POs, Graduate Attributes, Mission, Vision, Bloom's Taxonomy) and Smart Class Room plus ICT based T-L

Proceedings 13.05:

- Discussed on revised POs and PEOs for the Department.
- Members of BOS gone through the Question Paper quality evaluation using Bloom's taxonomy.

Resolutions 13.05:

- Board has approved revised POs and PEOs is attached herewith as an Annexure-III.
- Board has approved process is attached herewith as an Annexure-IV.

Item 13.06: For Discussion and Approval;

Additional item(s) other than syllabus to be reviewed during BOS:

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Review of University Exam Question Papers (Quality of Question Papers), Experiment Lists, Examiners' Panel, Placement Records and Result Analysis of Academic Year plus Analysis of Semester Results, Reg. Innovation in Pedagogy, Outcome Based Education (OBE), Research (Publications, Proposals and Grants), Reg. NBA Accreditation Status, NAAC Accreditation of the University, Project works, Panel of Ph D Supervisors, Synopsis submission if any and its Approval, Approval of Reviewer's (Examiners) Panel for Ph D Thesis, Feedback from Students, Identification of Slow Learners, Students Counseling, Quality of Inputs and Admission Scenario, Remedial Coaching, Quality of M Tech Dissertations, Industry Exposure etc.

Proceedings 13.06:

- Placement process is extremely successful. Many MNCs like TCS, Capgemini, CrestData System, Infosys etc. and many medium sized companies visit our campus every year to recruit our students. As a result, all the students are able to secure their jobs before graduation through campus placement.
- Examiners' and Reviewers' panel of A.Y 2017-18 has been approved.
- BOS members congratulated the university and all the CHARUSAT family members for receiving NAAC 'A' Grade status in its first cycle and for getting NBA Accreditation for the department.
- A report (Year-wise comparison) has been prepared and analysis has been done on number of students who have passed throughout smoothly on comparison analysis with past all years, number of students who have cleared programme with and without backlogs during their whole Programme.
- For M.Tech Dissertation, BOS members agreed for Industry projects and research work.

As there was no other item, the meeting ended with a vote of thanks by the Chairman.

Dr. Amit Ganatra,
Chairman BoS and Dean, Faculty of Technology & Engineering (FTE)
CHARUSAT
Date: 26/08/2017.

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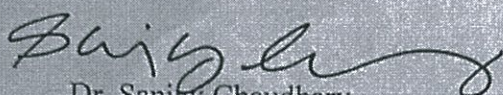

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Chairman - BOS



Dr. A P Ganatra
Dean- Faculty of Technology
Head of Computer Department
CSPIT - CHARUSAT

External Experts



Dr. Sanjay Chaudhary
Dean
School of Engineering and
Applied Science



Prof B V Buddhdev
GEC, Bhavnagar

Industry Experts

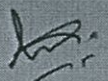


Mr Nikunj Patel
Sr. Vice-President
Capgemini
Gandhinagar



Mr. Pankaj Shah
Director
GlobalTech, Ahmedabad

Special Invitees



Prof. M T Savaliya
Head, Computer Dept,
VGEC, Chandkheda



Dr. Ketan Kotecha
Director and Dean
SIT, Pune

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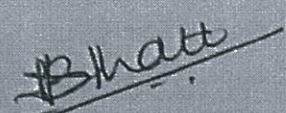
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CSPIT - CHARUSAT


BOS members

Prof. Ashwin Makawana
CSPIT - CHARUSAT


Prof Arpita Shah
CSPIT - CHARUSAT


Dr. Ritesh Patel
CSPIT - CHARUSAT


Prof. Nikita Bhatt
CSPIT - CHARUSAT


Prof. Dweepna Garg
DEPSTAR - CE -
CHARUSAT

Industry Experts

Mr. Arpit Kothari
External Member, BOS, CE
(Industry), TCS

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