

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI
DEPARTMENT OF INFORMATION TECHNOLOGY
Industry Expert Feedback report on Curriculum
Academic year 2022-23

Sl.No	Industry Person details with Designation and Organization
1	Mahalingam Madhan Lead Agile Coach Honeywell
2	NG. Karthikeyan Chief Technology Officer, TaxNodes, Bangalore
3	Sivakumar K Project Manager Shell Bangalore
4	Yajith Vishwa Software Engineer Mr. Cooper
5	Ganapathi Subramanian Site Reliability Engineer SurveySparrow
6	Kanmani Software Engineer Mr. Cooper

1. Comment on Scheduling of Courses: **Appropriate content**, well balanced structure.
2. Comments on whether the entire programme structure covers all the essential needs of the future engineers of the domain.

It is suggested to introduce courses with Kotlin, Mern stack as it is having scope in industries.

3. Inclusion of all necessary competencies/Learning objectives in the set of courses.

It is suggested to introduce lab for Algorithm design principles course.

Industrial practices of Devops, building and using the applications on cloud in line should be familiarized.

4. Specify the Course or Specific content learning outcomes not particularly relevant to the course/Programme.

Engineering Graphics

5. Courses and /or specific learning outcomes you feel need to the strength or topic areas that could be added to the programme.

Essentials of IT -PHP is out dated, python can be added as backend code as python course taught in 2nd semester

In DBMS, under indexing topic – include how to optimize the performance in a large-scale system. Since industries are using indices day in and out for all the query level optimization in production environment.

In Web technologies – Include React js, Node js and MERN Stack

For Nodejs topic- async nature of nodejs and memory management of v8 engine (can be correlated with OS topics)

In Object Oriented Programming- Any build system like gradle or maven can be introduced

In Software Engineering, Include Devops tools like GitHub or Azure Devops (Need to use all features)

In Cloud computing course- Include case study on GCP or Azure or AWS (Anyone). Practice to apply all learnt concepts and apply in public cloud

In IOT lab, need to have a Kafka and store in database or move to cloud (Streaming data) and processing the data

In Mobile app Development - Instead of Java, Kotlin can be used or Continue with React Native or Flutter

6. Identified resources like specialized equipment's, textbooks, software and other resources not listed but would strengthen the delivery of this programme.

Subscription to cloud Service providers and Project Management tools.

9. Additional comments regarding this programme you feel have not been previously addressed.

-
Action Taken: Incorporated the suggestions in curriculum revamp 2022 regulation courses.

Removed Engineering Graphics for curriculum

Included Kotlin Programming ,AWS case study in the curriculum


BOS INCHARGE


HOD/IT

THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI
DEPARTMENT OF INFORMATION TECHNOLOGY
Industry Expert Curriculum Feedback

1. Expected Industry roles that a graduating engineer can take up in 2026.
—
2. Comment on Scheduling of Courses: *Appropriate*
3. Comments on whether the entire programme structure covers all the essential needs of the future engineers of the domain
—
4. Inclusion of all necessary competencies/Learning objectives in the set of courses
Students should be able to build the applications on cloud in line with what they face in the industry
5. Specify the Course or Specific content learning outcomes not particularly relevant to the course/Programme. *Teaching best practices on web/mobile development internet programming/cloud computing. Add with real time examples with industry experts*
6. Courses and /or specific learning outcomes you feel need to the strength and ,or topic areas that could be added to the programme. *More hands on sessions*
7. Balance between theory and practice within the programme.
8. Identified resources like specialized equipment's, textbooks, software and other resources not listed but would strengthen the delivery of this programme.
9. Additional comments regarding this programme you feel have not been previously addressed.

NA. [Signature]

Name: *Kartikayan Nk*
Designation: *CTO, TaseNodes*



Mrs S Pudhu Malar <spmit@tce.edu>

TCE-IT - Syllabus Content Review - Reg

4 messages

A M Abirami <abiramiam@tce.edu>

Tue, Nov 12, 2019 at 11:40 AM

To: "Mahalingam, Madhan" <madhan.mahalingam@honeywell.com>

Cc: Mrs S Pudhu Malar <spmit@tce.edu>, Santhiya Grace <santhiya.c@gmail.com>

Madhan,

Good Morning!

We have drafted the syllabus "Software Engineering". This elective course can be offered to non CSE/IT students and would be delivered by our Faculty. Students may take this course during their 5th/7th semester.

Can you please give your valuable comments on the "Syllabus Section & Learning Resources" - whether the content includes all necessary items for the students to get accustomed to Corporate, after graduation?

Non-CSE/ITians include Civil, Mechanical, EEE, ECE, Mechatronics

Regards

A.M.Abirami

 **18ITGD0_Software Engg_2019.pdf**
309K**Mahalingam, Madhan** <Madhan.Mahalingam@honeywell.com>

Tue, Nov 12, 2019 at 12:05 PM

To: A M Abirami <abiramiam@tce.edu>

Cc: Mrs S Pudhu Malar <spmit@tce.edu>, Santhiya Grace <santhiya.c@gmail.com>

Dear Mam,

Reviewed the attachment. The basics have been well covered.

This is a very important course for all Engineering students.

1. Right before this course or after the course , I can share my experience through a short lecture on the related Industry practices. It will be value adding.
2. You may want to subtly touch upon Project Management too. Currently see topics ONLY on requirement | design | coding | testing | configuration management covered. You can create interest in the field of *project management* too!
3. While delivering on process models [waterfall -> iterative -> agile scrum -> devops] , clearly narrate the story of *how the changing customer priorities demanded the evolution of software Engineering practices.*

Thanks.

-Madhan

+91-9944696069

[Quoted text hidden]

A M Abirami <abiramiam@tce.edu>
To: "Mahalingam, Madhan" <Madhan.Mahalingam@honeywell.com>
Cc: Mrs S Pudhu Malar <spmit@tce.edu>, Santhiya Grace <santhiya.c@gmail.com>

Tue, Nov 12, 2019 at 4:09 PM

Madhan

Thanks for your valuable feedback.

- Right before this course or after the course , I can share my experience through a short lecture on the related Industry practices. It will be value adding
[Yes, we wish that it has to be done. Thank you very much.](#)

- You may want to subtly touch upon Project Management too. Currently see topics ONLY on requirement | design | coding | testing | configuration management covered. You can create interest in the field of *project management* too
[All students irrespective of their Engineering Disciplines undergo Project Management course compulsorily. Each department customize this PM course accordingly. In this Software Engineering course, the roles and responsibilities of SW Project Manager is included.](#)

- While delivering on process models [waterfall -> iterative -> agile scrum -> devops] , clearly narrate the story of *how the changing customer priorities demanded the evolution of software Engineering practices.*
[Yes, definitely we take care](#)

Regards
A.M.Abirami

[Quoted text hidden]

9/26/23, 9:24 AM

Thiagarajar College of Engineering Mail - TCE-IT - Syllabus Content Review - Reg

Tue, Nov 12, 2019 at 9:11 PM

Mahalingam, Madhan <Madhan.Mahalingam@honeywell.com>

To: A M Abirami <abiramiam@tce.edu>

Cc: Mrs S Pudhu Malar <spmit@tce.edu>, Santhiya Grace <santhiya.c@gmail.com>

Thanks Mam.

Great to know the project management has been given attention 😊

[Quoted text hidden]



Mrs S Pudhu Malar <spmit@tce.edu>

Suggestion/Review about Course syllabus 2023

1 message

Yajith Vishwa <yajithvishwa2001@gmail.com>
To: "spmit@tce.edu" <spmit@tce.edu>

Fri, Sep 22, 2023 at 11:23 PM

2nd sem

PHP is outdated, why can't we learn Python as backend code. As we already have a Python course in 2nd sem

3rd Sem

OOPS - Java, Need to add any build system like Gradle or Maven

Software Engineering - Need to add tools for DevOps like GitHub or Azure DevOps(Need to use all features)

4th Sem

Algorithm - Need to have Lab(We did not have practical knowledge, But I heard the CS dept has)

5th Sem

Web Technologies - Can we have React js and Node js - MERN Stack(M- MongoDB, E - Express.js, R - React.js, N - Node.js)

6th Sem

Cloud - Need to study or have a case study on GCP or Azure or AWS or IBM(anyone). Apply all learned concepts and apply in any one public cloud.

IOT - At the lab, need to have a Kafka and store it in db or move to the cloud(Streaming data). Need to understand how we are processing the data and using them.

Mobile app - Java is outdated need to change to Kotlin or Continue with React Native or Flutter Framework.

General Suggestions

Try to think of an idea from the first sem and take a complete product in the final year and complete it(working prototype). Only in the 7th semester, we realized how we missed the opportunity.

--

With Regards,
Yajith Vishwa



Mrs S Pudhu Malar <spmit@tce.edu>

Syllabus review comments | Ganapathi Subramanian

1 message

Ganapathi Subramanian <ganapathisubramanian1998@gmail.com>

Sat, Sep 16, 2023 at 8:35 PM

To: spmit@tce.edu

Good evening ma'am,

I hope this email finds you well. I want to express my gratitude for inviting me to review the syllabus. I've gone through it thoroughly, and I have a few suggestions and requests based on my analysis.

DBMS - Indexing Topic: It would be beneficial if we could include a section on how indexing optimizes performance in large-scale systems. Indices play a crucial role in query optimization in our production environment, and understanding their impact would be valuable.

Web Technologies - HTTP Protocol: Within the HTTP protocol section, I suggest adding topics that explain how connections are established between servers and clients in terms of computer networks. This is a commonly asked interview question and would enhance students' understanding.

Node.js: In the Node.js section, I recommend allocating more hours, if possible, to cover the following topics in detail:

Async Nature of Node.js: Explaining the asynchronous nature of Node.js in depth, particularly from an interview perspective.

Memory Management of V8 Engine: Correlating Node.js memory management with OS topics could provide students with valuable insights. This knowledge can be advantageous during interviews.

Regards,
Ganapathi Subramanian,
8122740073



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DEPARTMENT OF INFORMATION TECHNOLOGY

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EMPLOYER/ RECRUITER SURVEY FOR B.Tech- IT PROGRAMME

Name of the Organization : ZHO CORPORATION

Supervisor Details

Name of the Supervisor : DAVIS JEFFREY

Designation of the Supervisor : Member Technical Staff

Email id : davis.j@zohocorp.com

Employee Details

Name of the Employee (or Student) : W. Jeswin

Designation & Email id of the Employee : Project Trainee jeswin.w@zohocorp.com

Excellent	Very Good	Good	Moderate
4	3	2	1

Please rate the ability of our student on the following parameters		4	3	2	1
Q1	Ability to apply his/her knowledge to provide solutions		✓		
Q2	Ability to provide a suitable solution to a problem and analyze related risks and other aspects	✓			
Q3	Ability to provide systematic solutions to new problems		✓		
Q4	Ability to contribute effectively to Research and Development activities to face new trends in technology			✓	
Q5	Ability to adapt to usage of new tools		✓		
Q6	Ability to exhibit ethical conduct in all organizational activities		✓		
Q7	Ability to consider environmental factors while providing a solution	✓			
Q8	Ability to lead a team efficiently		✓		
Q9	Ability to contribute effectively as a team member	✓			
Q10	Ability to participate in social, organizational and societal initiatives			✓	
Q11	Ability to address audience effectively and keep the session engaged			✓	
Q12	Ability to create and manage relevant documents		✓		
Q13	Ability to meet project deadlines	✓			
Q14	Ability to learn new techniques	✓			
Q15	Ability to get accustomed to new domains		✓		
Date: 8-3-2023		Signature: <i>Davis</i>			



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EMPLOYER/ RECRUITER SURVEY FOR B.Tech- IT PROGRAMME

Name of the Organization : ZOH0

Supervisor Details

Name of the Supervisor : Mr. Sivakasi M

Designation of the Supervisor : Member Technical Staff

Email id : sivakasi.m@zohocorp.com

Employee Details

Name of the Employee (or Student) : M. Arun Kalyan

Designation & Email id of the Employee : Project Trainee - arunkalyan.m@zohocorp.com

Excellent	Very Good	Good	Moderate
4	3	2	1

Please rate the ability of our student on the following parameters		4	3	2	1
Q1	Ability to apply his/her knowledge to provide solutions	✓			
Q2	Ability to provide a suitable solution to a problem and analyze related risks and other aspects	✓			
Q3	Ability to provide systematic solutions to new problems	✓			
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Q7	Ability to consider environmental factors while providing a solution	✓			
Q8	Ability to lead a team efficiently	✓			
Q9	Ability to contribute effectively as a team member	✓			
Q10	Ability to participate in social, organizational and societal initiatives	✓			
Q11	Ability to address audience effectively and keep the session engaged	✓			
Q12	Ability to create and manage relevant documents	✓			
Q13	Ability to meet project deadlines	✓			
Q14	Ability to learn new techniques	✓			
Q15	Ability to get accustomed to new domains	✓			
Date:		Signature: <i>M. Arun Kalyan</i>			



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Name of the Organization : NAVIS SOFTWARE INDIA PVT LTD
Supervisor Details
Name of the Supervisor : SARASWATHI UMAPATHY
Designation of the Supervisor : MANAGER, QA
Email id : Saraswathi.umapathy@navis.com
Employee Details
Name of the Employee (or Student) : JEYA GANESH AV
Designation & Email id of the Employee : ASSOCIATE QA ENGINEER (INTERN)

Excellent	Very Good	Good	Moderate
4	3	2	1

Please rate the ability of our student on the following parameters		4	3	2	1
Q1	Ability to apply his/her knowledge to provide solutions		✓		
Q2	Ability to provide a suitable solution to a problem and analyze related risks and other aspects		✓		
Q3	Ability to provide systematic solutions to new problems			✓	
Q4	Ability to contribute effectively to Research and Development activities to face new trends in technology		✓		
Q5	Ability to adapt to usage of new tools		✓		
Q6	Ability to exhibit ethical conduct in all organizational activities		✓		
Q7	Ability to consider environmental factors while providing a solution		✓		
Q8	Ability to lead a team efficiently				✓
Q9	Ability to contribute effectively as a team member	✓			
Q10	Ability to participate in social, organizational and societal initiatives			✓	
Q11	Ability to address audience effectively and keep the session engaged		✓		
Q12	Ability to create and manage relevant documents	✓			
Q13	Ability to meet project deadlines		✓		
Q14	Ability to learn new techniques		✓		
Q15	Ability to get accustomed to new domains		✓		
Date:	09/MARCH/2023	Signature:	Saraswathi		



EMPLOYER/ RECRUITER SURVEY FOR B.Tech- IT PROGRAMME

Name of the Organization : WORKHALL

Supervisor Details

Name of the Supervisor
Asttle Joseph

:
Designation of the
Supervisor
Lead Software Engineer

:
Email id
asttlej@workhall.com

Employee Details

Name of the Employee
(or Student)

: Dixon J Antony A
Designation & Email id of
the Employee
Intern
dixona@workhall.com

Excellent	Very Good	Good	Moderate
4	3	2	1

Please rate the ability of our student on the following parameters		4	3	2	1
Q1	Ability to apply his/her knowledge to provide solutions		3		
Q2	Ability to provide a suitable solution to a problem and analyze related risks and other aspects		3		
Q3	Ability to provide systematic solutions to new problems		3		
Q4	Ability to contribute effectively to Research and Development activities to face new trends in technology			2	

Narmatha.k
19IT063



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EMPLOYER/ RECRUITER SURVEY FOR B.Tech- IT PROGRAMME

Name of the Organization : Caterpillar
Supervisor Details
Name of the Supervisor : Krishna Chaitanya Reddy Mopati
Designation of the Supervisor : Software Engineering Manager
Email id : mopati-krishna.chaitanya_r@cat.com
Employee Details
Name of the Employee (or Student) : Narmatha.k
Designation & Email id of the Employee : Intern, narmatha.k@cat.com

Excellent	Very Good	Good	Moderate
4	✓ 3	2	1

Please rate the ability of our student on the following parameters		4	3	2	1
Q1	Ability to apply his/her knowledge to provide solutions	✓			
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Q14	Ability to learn new techniques		✓		
Q15	Ability to get accustomed to new domains		✓		

Date: 09/03/2023

Signature: M. Anand Kumar
 UI Architect
 M. Anand Kumar



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EMPLOYER/ RECRUITER SURVEY FOR B.Tech- IT PROGRAMME

Name of the Organization : COMCAST

Supervisor Details

Name of the Supervisor : KESAVAN . M

Designation of the Supervisor : DIRECTOR

Email id : kesavan_mukundan@comcast.com

Employee Details

Name of the Employee (or Student) : Pavithra Muthukrishnan

Designation & Email id of the Employee : Intern - Pavithra - Muthukrishnan@comcast.com

Excellent	Very Good	Good	Moderate
4	3	2	1

Please rate the ability of our student on the following parameters		4	3	2	1
Q1	Ability to apply his/her knowledge to provide solutions		✓		
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Date:	9/3/2023	Signature:			



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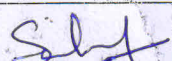
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EMPLOYER/ RECRUITER SURVEY FOR B.Tech- IT PROGRAMME

Name of the Organization : Zoho Corporation
Supervisor Details
 Name of the Supervisor : SANTHOSH MUTHU M
 Designation of the Supervisor : MEMBER TECHNICAL STAFF
 Email id : Santhosh.muthu@zohocorp.com
Employee Details
 Name of the Employee (or Student) : SANJAYKUMAR S
 Designation & Email id of the Employee : PROJECT TRAINEE , sanjaykumar.ss@zohocorp.com

Excellent	Very Good	Good	Moderate
4	3	2	1

Please rate the ability of our student on the following parameters		4	3	2	1
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Date: 09-03-2023		Signature: 			



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EMPLOYER/ RECRUITER SURVEY FOR B.Tech- IT PROGRAMME

Name of the Organization : AMAZON DEV CENTER

Supervisor Details

Name of the Supervisor : G. MEDHINI

Designation of the Supervisor : Sr. SDM

Email id : medhini@amazon.com

Employee Details

Name of the Employee (or Student) : N. Mitthun Krishna

Designation & Email id of the Employee : SDE - Intern

Excellent	Very Good	Good	Moderate
4	3	2	1

Please rate the ability of our student on the following parameters		4	3	2	1
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Q15	Ability to get accustomed to new domains	✓			
Date: 8/3/23		Signature:			



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EMPLOYER/ RECRUITER SURVEY FOR B.Tech- IT PROGRAMME

Name of the Organization : Comcast India Engineering Centre
Supervisor Details
 Name of the Supervisor : VENKATESH RAJENDRAN
 Designation of the Supervisor : MANAGER
 Email id : VENKATESH - RAJENDRAN@COMCAST.COM
Employee Details
 Name of the Employee (or Student) : Suresh Idumay . m
 Designation & Email id of the Employee : Intern Suresh Idumay - Moorthi @comcast . com

Excellent	Very Good	Good	Moderate
4	3	2	1

Please rate the ability of our student on the following parameters		4	3	2	1
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Q14	Ability to learn new techniques	✓			
Q15	Ability to get accustomed to new domains	✓			

Date: 9/03/2023

Signature:



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EMPLOYER/ RECRUITER SURVEY FOR B.Tech- IT PROGRAMME

Name of the Organization : BOUNTEOUS

Supervisor Details

Name of the Supervisor : ANJANA SARAVANA
Designation of the Supervisor : EXECUTIVE - TALENT ACQUISITION.
Email id : anjana.saravana@bounteous.com

Employee Details

Name of the Employee (or Student) : ABIJEETH VASRA TR
Designation & Email id of the Employee : INTERN & [vasraabijeeth@gmail.com]

Excellent	Very Good	Good	Moderate
4	3	2	1


Please rate the ability of our student on the following parameters		4	3	2	1
Q1	Ability to apply his/her knowledge to provide solutions	✓			
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Q5	Ability to adapt to usage of new tools	✓			
Q6	Ability to exhibit ethical conduct in all organizational activities	✓			
Q7	Ability to consider environmental factors while providing a solution	✓			
Q8	Ability to lead a team efficiently	✓			
Q9	Ability to contribute effectively as a team member	✓			
Q10	Ability to participate in social, organizational and societal initiatives	✓			
Q11	Ability to address audience effectively and keep the session engaged	✓			
Q12	Ability to create and manage relevant documents	✓			
Q13	Ability to meet project deadlines	✓			
Q14	Ability to learn new techniques	✓			
Q15	Ability to get accustomed to new domains	✓			
Date: 9-3-2023		Signature:			



**THIAGARAJAR COLLEGE OF ENGINEERING,
MADRURAI 625 015.**

**Department of Information Technology
Employer Feedback Report**

Course	Feed Back	Action Tacken
Revision of Electives	The education of the students can focus on a specific field of study.	Particular area of specialization with a group of elective courses offered by our department. i. Data Engineering ii. Cyber Security and Data Privacy iii. Cloud Technologies iv. Emerging Technologies v. Data science Vertical is a particular area of specialization with a group of elective courses offered by the department.


HoD/IT

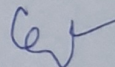


THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI 625015.

Department of Information Technology

Employer Feedback Report (2019-20)

COURSE CODE	COURSE NAME	FEEDBACK	ACTION TAKEN	Curriculum developed/modified in the year
Revision of courses				
14IT370	Software Engineering	Students need to be strong in Software Engineering concepts/practices	Mini-projects, end semester projects and Laboratory experiments are practiced with SE concepts. Introduced Software Engineering as Theory cum Practical	2014
		Introduce emerging technologies in the curriculum	<ul style="list-style-type: none">• Introduced new courses like Big Data Technologies, Hadoop eco system tools, Data Analytics,• Cloud Computing, Internet of Things• Content Moved from One credit course to core curriculum	2014
		Introduce python programming in curriculum	Recommended to consider during Curriculum revision	2018


HOD/IT.

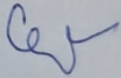


THIAGARAJAR COLLEGE OF ENGINEERING, MADURAI 625015.

Department of Information Technology

Employer Feedback Report (2018-19)

COURSE CODE	COURSE NAME	FEEDBACK	ACTION TAKEN	Curriculum developed/modified in the year
Revision of courses				
14IT370	Software Engineering	Students need to be strong in Software Engineering concepts/practices	Mini-projects, end semester projects and Laboratory experiments are practiced with SE concepts. Introduced Software Engineering as Theory cum Practical	2014
		Introduce emerging technologies in the curriculum	<ul style="list-style-type: none">• Introduced new courses like Big Data Technologies, Hadoop eco system tools, Data Analytics,• Cloud Computing, Internet of Things• Content Moved from One credit course to core curriculum	2014
		Introduce python programming in curriculum	Recommended to consider during Curriculum revision	2018


HOD/IT.



**THIAGARAJAR COLLEGE OF ENGINEERING,
MADURAI 625 015.**

**Department of Information Technology
Employer Feedback Report (2021-22)**

Feedback:

- Suggested to relate the theoretical course into a practical aspect.
- Enhance Entrepreneur skills among the students
- Train the students to solve real time problems
- Imparting coding development skills

Action Taken:

- Theory cum practical courses have been introduced in for coming academic year
- Entrepreneur development program has been conducted
- Students are working in online platforms to improve their coding skill

HOD/IT



THIAGARAJAR COLLEGE OF ENGINEERING,

MADURAI 625 015.

Department of Information Technology

Employer Feedback Report (2020-21)

Course	Feed Back	Action Tacken
Revision of Electives	The education of the students can focus on a specific field of study.	Particular area of specialization with a group of elective courses offered by our department. i. Natural Language Processing ii. Block Chain Technologies iii. Virtualization Technologies. iv. MERN Stack Technologies v. Applied Data vi. Science with Visualization


HOD/IT