Date: 06/06/2020

Report on IT-Institutional Internship

1. **Event Details:** IT-Institutional Internship 2020 conducted from 18 to 31 May 2020.

2. **Participants:** First Year (Batch 2023) and Second Year (Batch 2022) Engineering Students.

➢ **Objectives:**

- To enhance technical and behavioral skills in tune with current industry requirement
- To provide a platform for hands-on experience of latest developments in technology
- To simulate the corporate environment in college
- To strengthen the capabilities of student interactions with corporate personnel
- To get an exposure of company work culture and its expectations from engineering graduates
- To enhance students' overall personality & performance

3. **Staff Involved:**
   1) Dr.Rajesh Bansode-HoD-IT
   2) Mr. Namdeo Badhe & Mr. Sudhir Dhekane – Internship Coordinator
   3) Speakers,Observers and Staff: **Annexure I**

Plan (Approach):

1. Dr.Lochan Jolly has conducted a meeting of all Internship Coordinators on Zoom platform informed about planning of different tracks of internship during 18 to 31 May 2020. She has also informed to identify the resource persons as per domain area and ask for support of internal faculty members to conduct the training sessions.
2. She has asked all coordinators to plan out the internship, find out the requirements from speakers as well as students (Software & Hardware). A Checklist is prepared by every track incharges about the same.
3. As per the discussion, a notice was circulated on 13th may 2020 among all the faculty and staff for informing the respective technical and non-technical topics.
4. A meeting of all speakers and observers was conducted on 15th may 2020, in which Mr. Namdeo Badhe and Mr. Sudhir Dhekane have explained about their roles and responsibilities before and during the internship.
5. The schedule of internship was given to all student coordinators and informed to all the concerned students on 15th may 2020.
6. A meeting of all technical staff members was conducted on 15th may 2020, in which Dr.Rajesh Bansode and Mr. Sudhir Dhekane have informed about roles and responsibilities to be played before,during and after the internship.

4. **Event Schedule:**

Schedule for First and Second Year Engineering: **Annexure II**
Schedule for faculty and Staff Members: **Annexure III**

Do (Deployment)

1. Student coordinators informed to find out students' availability during the program by what's up media.
2. Mr.Namdeo Badhe have informed all speakers to deliver session from 10.30 am to 12.00 pm, create an daily based assignment and upload it on google classroom .and ask students to upload solutions to assignment during break time i.e12.00 pm to 4.00 pm. In evening at 4.00 pm to 5.30

pm Evaluators do the evaluation of the task assigned. Observers are informed to monitor the sessions during morning and evening slots.

3. Mr. Sudhir Dhekane has informed technical assistants to take attendance of students during morning and evening session and enter into the google sheet immediately after the session gets over.
4. Actual Planned Date of Institutional Internship was 2nd to 15th July 2020, but due to promotion of all students to higher class, the Internship was conducted from 18 to 31 May 2020
5. Event was conducted as per the plan and schedule.

Check (Learning)

1. Students understood the important aspects of the internship, such as:
   1. Improvement in skill development using advanced technologies.
   2. Improvement of capabilities in the design and development of problem solving approach.
   3. Awareness of the basic terminology and concepts of a programming, algorithmic approach and networking and how they can be implemented in real life situation.
   4. Student validation is based on their attendance and performance in the test immediately conducted at the end of all sessions.
   5. An effectiveness of the learning from trainers is also checked through the student feedback.

2. **Week 1 Detailed Attendance Analysis: Annexure IV**
3. **Week 1 Attendance Analysis:**

Sr. No.	Name of Internship Track	% of Attendance	
		Morning	Evening
1	Website Development Batch I	98%	91%
2	Website Development Batch II	94%	91%
3	Database Batch I	94%	93%
4	Database Batch II	88%	78%
5	Digital Marketing	92%	75%
Average Attendance in Morning & Evening		**93%**	**86%**

4. **Week 2 Detailed Attendance Analysis: Annexure V**
5. **Week 2 Attendance Analysis:**

Sr. No.	Name of Internship Track	% of Attendance	
		Morning	Evening
1	Website Development Batch I	90%	77%
2	Website Development Batch II	94%	84%
3	Database Batch I	90%	88%
4	Database Batch II	89%	69%
5	Digital Marketing	89%	74%
Average Attendance in Morning & Evening		**91%**	**78%**

6. **Internship Project Details:**

Sr. No.	Name of Internship Track	No of Projects
1	Website Development Batch I	29
2	Website Development Batch II	15
3	Database Batch I	4
4	Database Batch II	8
5	Digital Marketing	35
Total Projects		91

7. **Coursera course completion Details*:**

Sr. No.	Name of Internship Track	No of Students Completed	No of Students in Process
1	Website Development Batch I	19	36
2	Website Development Batch II	11	28
3	Database Batch I	19	2
4	Database Batch II	8	29
5	Digital Marketing	10	11
Total		67	106

Note:* indicates data is till 4th June 2020

8. **Target and achievements**

No of Hours	Target	Actual	Remark
First and Second Year	70 Hours	70 Hours	Morning session-10.30 am to 12.00 pm(Session Deliver) Afternoon session-1.00 am to 4.00 pm(Assignment Solving) Evening session-4.00 pm to 5.30 pm(Assignment Evaluation)

Act (Integration)

Learning	Corrective action taken
As more numbers of students' have been involved so, numbers of tracks increased	All internal faculty members are involved to conduct and monitor the sessions. For effective attendance entry and Zoom meeting creation, all technical assistants are involved.

➢ **Feedback Analysis:**

1. Validation is based on students' attendance and their performance in the test immediately conducted after end of all sessions.
2. Effectiveness of the learning is also checked through student and parent's feedback.

Sr. No.	Student feedback
1	The experience is something new and very good for FE students as this give a excellent chance to learn new things and explore the area that we have chosen. All that I myself have learned is very good and as teacher have taught us very well. The internship has been a new and very good experience me . Thanks to faculty .
2	The website development internship is very useful. In the first five days we learned HTML5, Javascript, CSS3, etc. using which we can make front end of our project very well. I would like to appreciate the efforts that is made by the faculties to make us understand the concepts well. The daily assignment which is given helps us to clear our concepts. And in the evaluation and doubt solving session we come to the creative ideas of others as well which motivates us to try different thing **(Jhanvi Sheety (SE-IT-B), Batch Coordinator)**
3	The experience is something new and very good for FE students as this give a excellent chance to learn new things and explore the area that we have chosen. All that I myself have learned is very good and as teacher have taught us very well. The internship has been a new and very good experience me . Thanks to faculty**(Bhushan chaudhary (FE-A) (Batch Coordinator)**
4	**(Database Track Batch I)**Session was very interesting about the responsive web design. We learnt how to make web pages work in different devices and also to use ready made templates.Session was mainly based on Procedures, Functions and Triggers in SQL. We learned how to execute them in our database and cross platform syntaxes were also studied. Overall it was great learning experience.we learned about procedure, trigger and function in SQL. The experience was all over very good. **(Web development batch-II)** ,we learn about Responsive web design and in HTML we learn about canvas,Svg,geolocation etc topics .In the evening session all our doubts were solved and ma'am also shared us all the ppts and codes. The session was very interactive and we got more exposure over the topics.
5	**(Website development batch I)** Today we learnt about the basics of PHP , how we can connect html php css n Js. In evening session sir solved all the doubts very nicely and also solved the connection issue that was faced by students using wamp server. (Batch Coordinator) **(Digital Marketing)** The session was really informative, as it always is. Today's session was about Digital Marketing using Facebook. We were informed about how to optimize our facebook page, in order to increase the engagement, and advertise our products and services more effectively. The evening session was about presentation of the Facebook page, that was made by the students. (Batch Coordinator) **(Database batch I)** Today we learned about Database connectivity through different Drivers and GUI element generation through Netbeans Software.In the evening session all the doubts related to connectivity were resolved by the trainers.
6	**(Database batch I&II):** The session was about gui and connectivity with database by netbeans softwares. The session was very good and essential part if connectivity with frontend ,we got to learn about a lot of things . **(Digital Marketing):** Today's session revolved around, using YouTube for digital marketing. We learnt about various techniques, using which, we can increase the engagement, and advertise our products more efficiently. We also learnt about Google trends, which help a lot, in understanding the latest trends. **(Website development batch I&II)** In today's lecture of web development we learnt about database and how to use it through php. All the things very explained properly and doubts were also solved. Overall the session was very

	interactive and informative.
7	**(Database batch I&II):** Today's session was about error solving in the connectivity, GUI issues and Updating the database from Front End. **(Digital Marketing):** Today's session was about Using Email, for digital marketing. We used a tool called MailChimp. We learnt us how to customize the available templates according to our choice, and how to send mails to 2000 people at the same time. All in all, it was a really informative session. **(Website development batch I&II):** Today's session was about connecting database to front end and throwing different queries. Sir gave many examples for us to understand which was really very helpful.
8	**(Database batch I&II):** Today's session was about error solving in the connectivity, GUI issues and Updating the database from Front End. **(Digital Marketing):** Today's session was about Using Email, for digital marketing. We used a tool called MailChimp. We learnt us how to customize the available templates according to our choice, and how to send mails to 2000 people at the same time. All in all, it was a really informative session. **(Website development batch I&II):** Today's session was about connecting database to front end and throwing different queries. Sir gave many examples for us to understand which was really very helpful.
9	I feel this is very great learning experience . During this lockdown , sitting at home it's very difficult to push yourself to do something but with this internship it has given an opportunity to learn about html , javascript and php in such a effective way . I would like to thank the teachers who have taught so patiently and giving out all minute details . They were always there to solve doubts. Also , the assignments given would help us put the knowledge gained into execution . The PPT's shared with us was very helpful to revise and understand some point . I'm enjoying the internship .(Kripa Damania SE IT A 14) This is regarding the in-house internship we have been doing for the past 9 days. To be honest I feel that this opportunity came to us like a boon as it helped us develop technically at this affecting time. It made us evaluate ourselves to implement the things that we have been learning and rather than having only book knowledge it gave us an opportunity to gain practical knowledge as well. This internship served as a platforms to learn, assess and implement our technical skills and another hidden purpose it unintentionally fulfilled was that even in such tough times people can grow. Now coming to the faculty, they have been really supportive and because of this online video conferencing students get better personal touch which helps them to grasp more knowledge as compared to offline mode. Overall- A good initiative which not only keeps us involved but also keeps us busy with pushing us to improve upon our knowledge about technical aspects. Thank you, (Rohan Sharma. SE IT B 25)

Sr. No.	Parent's feedback
1.	**Father of Aniket Singhs:** This internship has kept my son busy in doing projects and gain technical knowledge rather than wasting time in this quarantine period. This internship work is proof that he is doing fine in his field and implementing all the practical knowledge he is gaining in this internship. **Father of Mansi Pal (Manohar Pal)** : The session is great, even though it takes almost her whole day sometimes it's great to see that the professors help and guide them through it. A great learning experience for the students altogether."
2.	**(Mrs.Anju Agarwal. parent of Nipun Agarwal FE comp):**we are happy with this internship program as the students are busy with the course. Students are utilising their time for learning and get to know new things. **(Father of Mayank Raj SE COMP Roll No 12):**it's very good... students are doing good... we appreciate TCET Team efforts even during lock down taking so much effort for students
3.	**Father of Ashutosh Sanghvi(SE IT B):** Great efforts taken by college n faculty members Students are attending the internship sincerely n doing onine certification courses like course era.

	Father of Pranali(SE IT A): Its good to keep busy their child in such types of activities. Students should not feel that they arent doing anything during lockdown **SE IT A-14 Father of Kripa Damania**: We parents are thankful to College team for keeping busy our child in Technology awereness. We are happy to see our child as she is busy in learning through the day. Thanks to All Faculties taking Great efforts to teach students in this pandamic situation.

9. Risks & Mitigations:

Risks	Mitigations
1. Low Attendance of students	To improve the attendance, HoD sir constantly involved for daily attendance reporting
2. Speakers Selection	Tracks and topics were allocated as per domain knowledge and experience .
3. Infrastructure Requirements (Software and Hardware	Laboratory requirements are share between all students and track incharges checked all requirements by taking day 0 meeting with all respective track students

10. Mapping: Mapping between Course objective and Graduate Attribute

Attainment	GA 1	GA 2	GA 3	GA 4	GA 5	GA 6	GA 7	GA 8	GA 9	GA 10	GA 11	GA 12
Internship	√		√		√		√			√		

Outcome:

1) In this academic year 2019-2020, total 317 students from first and second year students have attended the program.
2) Students have understood the importance of technical and non technical skills in tune with current industry requirement.
3) Total number of 91 projects have successfully completed students by in a group of 6 to 7 students.
4) Total number of 67 of students have successfully completed the various coursera courses and 106 students are going to complete this weekend.

Conclusion:

Internship was conducted to that the Students have understood the importance of technical and non technical skills in tune with current industry requirement. Overall 89.5% (Average) of the total students attended the internship.

Scope for Improvement:

1) As per feedback received from speakers, more time is required for students to solve the assignments and upload on Google classroom.
2) As per feedback given by students, more programs shall be arranged in future.

Collectively Proposed By

Mr. Namdeo Badhe
Mr.Sudhir Dheane
IT Internship Coordinator.

Checked By

Dr. Rajesh Bansode
HOD-IT