STUDENT HANDBOOK

INFORMATION TECHNOLOGY STUDY PROGRAM

DEPARTMENT OF ELECTRONICS AND INFORMATICS ENGINEERING EDUCATION

FACULTY OF ENGINEERING

UNIVERSITAS NEGERI YOGYAKARTA

2024

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I. Profile Department Information Technology

A. History Short

The history of IKIP Yogyakarta cannot be separated from the existence of the Faculty of Pedagogic (FP) Universitas Gadjah Mada (UGM) which was established on September 19, 1955. At that time FP UGM had two parts, namely the Education Section and the Physical Education Section. In addition, there are B1 and B2 courses in Natural Sciences organized by the UGM Faculty of Natural Sciences. On February 2, 1962, the Pedagogic Faculty was divided into three faculties, namely the Faculty of Education (FIP), the Faculty of Physical Education (FPD), and the Faculty of Teacher Training and Education (FKIP). But in 1963 the FPD was included in the Department of Sports environment and became the College of Sports (STO).

At that time the demands of teacher were high. FKIP UGM is very popular so that the number of students in 1962 reached 1,469 people. To overcome this condition, the Minister of Education and Culture Decree No. 92 of 1962 concerning the establishment of the Institute of Teacher Education (IPG). On January 3, 1963 the unification between FKIP and IPG was applied to become the Teaching and Education Institute (IKIP). Likewise with FIP which is then also integrated into IKIP. In 1964, the B1-B2 Course in Natural Sciences and Natural Sciences were also separated from UGM and incorporated into the IKIP.

According to the IKIP Chancellor Decree number 05 of 1965 concerning the Organizational Structure of IKIP Yogyakarta, IKIP Yogyakarta has five faculties, namely the Faculty of Education (FIP), the Faculty of Teacher Training in Exacta (FKIE), the Faculty of Teacher Training in Literature and Arts (FKSS), the Faculty of Teacher Training in Social Sciences (FKIS), and the Faculty of Teacher Training in Engineering (FKT). At that time, FKT had four majors, namely the Mathematics major, the Physics major, the Life Sciences major, and the Chemistry major.

In the 1965/1966 academic year of the Engineering Teaching Faculty, to the needs of electrical engineering teachers, the departments were added to:
1. Mechanical Engineering Department.
2. Department of Electrical Engineering.
3. Department of Building Engineering.
4. Civil Engineering Department.

In line with the increasing need for teachers for STM and the need for instructors at Technical Education Training Centers (BLPT), the government, with financial assistance from World Bank Project IV, which began in 1976, assisted FKT IKIP Yogyakarta and FKT IKIP Padang in the form of facilities. And adequate infrastructure, namely constructing a new FKT Yogyakarta campus north of the IKIP Yogyakarta Central Building. The assistance provided through the World Bank Project IV has at least four aspects, namely:
1. Construction of new buildings with equipment procurement, including lecture halls, laboratories, and workshops.

2. We are increasing the competence of lecturers through training at home and abroad.
3. Program development/implementation funds.
4. Assistance from educational consultants (experts from abroad).

The main program of the 4_{th} World Bank assistance for FKT IKP Yogyakarta and Padang is to prepare teachers skilled in practical teaching in laboratories and workshops for STM. So, the curriculum must be adapted or oriented to the STM curriculum. With this new program, the majors at FKT IKIP Yogyakarta are as follows: Department of Electrical Engineering Education, Department of Electronics Engineering Education, Department of Mechanical Engineering Education, Department of Automotive Engineering Education, and Department of Building Engineering Education. Implementation of this new program began in the 1979/1980 academic year. Meanwhile, President Soeharto officially inaugurated the new FKT IKIP Yogyakarta and Padang building in Yogyakarta on October 14, 1981—World Bank IV assistance in the form of projects formally ended on December 31, 1980. The first products (graduates) were at the end of the 1982/1983 academic year. For this purpose, from the beginning of 1981 to the end of 1983, FKT IKIP Yogyakarta and Padang received assistance from UNDP in the form of grants. This UNDP assistance was finally extended until the end of 1984.

Based on the Decree of the Minister of Education and Culture of the Republic of Indonesia No.0141/O/1983 dated March 5, 1983, and No.0554/O/1983, the name of FKT was changed to FPTK (Faculty of Technology and Vocational Education). At the same time, the Department of Family Welfare Education (PKK), previously under the Faculty of Education, was integrated under the Faculty of Technology and Vocational Education with two study programs, namely the Culinary and Fashion Study Program. Thus, since then, FPTK has had six departments, namely:
1. Department of Electrical Engineering Education.
2. Department of Electronics Engineering Education.
3. Department of Mechanical Engineering Education.
4. Department of Automotive Engineering Education.
5. Department of Building Engineering Education.
6. Department of Family Welfare Education.

After the end of assistance from the World Bank, FPTK IKIP Yogyakarta was still allowed to receive help from UD-3 in operational aid from 1986 to 1991. FT UNY has implemented a Quality Management System by achieving the ISO-9001: 2008 certificate. With the ISO 9001: 2008 Certificate, the management of FT UNY is ready to support the "UNY go International" program by starting to prepare a blueprint to become world-class University.

IT study programme was established based on SK No. 1183/KPT/I/2018 on December 27, 2018 and has received Baik/Good accreditation based on the decision of BAN-PT No. 13925/SK/BAN-PT/Akred/S/XII/2021. The naming of the Information Technology study programme is also in accordance with the terminology understood

by professional associations in Indonesia such as Indonesian Cloud Computing Association (ACCI), Indonesian Association for Information Systems (AISINDO), Indonesian Information Technology Federation (FTII), Digital Creative Association (ADITIF), National Information and Communications Technology Employers Association (APTIKNAS), (APMI), Indonesian Multimedia Organizers Association (APKOMINDO), Indonesian Internet Service Providers Association (APJII), Indonesian Telematics Software Association (ASPILUKI), Indonesian Informatics Experts Associations (IAII), Indonesian Telecommunications Providers Association (ATSI), Indonesian Open Source Association (AOSI), Indonesian Information Technology Industry Association (AITI), and Indonesian Computer and Informatics Professional Association (IPKIN).

B. Vision Program Studies Information Technology

To become a superior, creative, and innovative study program in Information Technology based on purity, independence, and intelligence by 2025.

C. Mission Program Studies Information Technology

To fulfil this vision, the Department of Information Technology of UNY has the following five mission items.

1. Organizing education and teaching in the field of Information Technology with an emphasis on Software Systems, Computer Networks, and Multimedia that meet the increasingly complex and changing needs of society and industry, with the provision of art and technopreneur.
2. Carry out research in the field of Information Technology.
3. Carrying out community service in the field of Information Technology.
4. Facilitate Information Technology student activities.
5. Organize cooperative relationships with good study programs and related institutions/institutions.

D. Address

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Telp   : (0274) 586168 psw. 1216,1276,1289,1292 (0274) 586734
Fax. (0274) 586734
Help Desk (WhatsApp): 0895-2919-9119 (Working Hours 08.00 - 15.30 WIB)
Website   : http://ti.ft.uny.ac.id
E-mail   : ti@uny.ac.id

E. Structure Organization
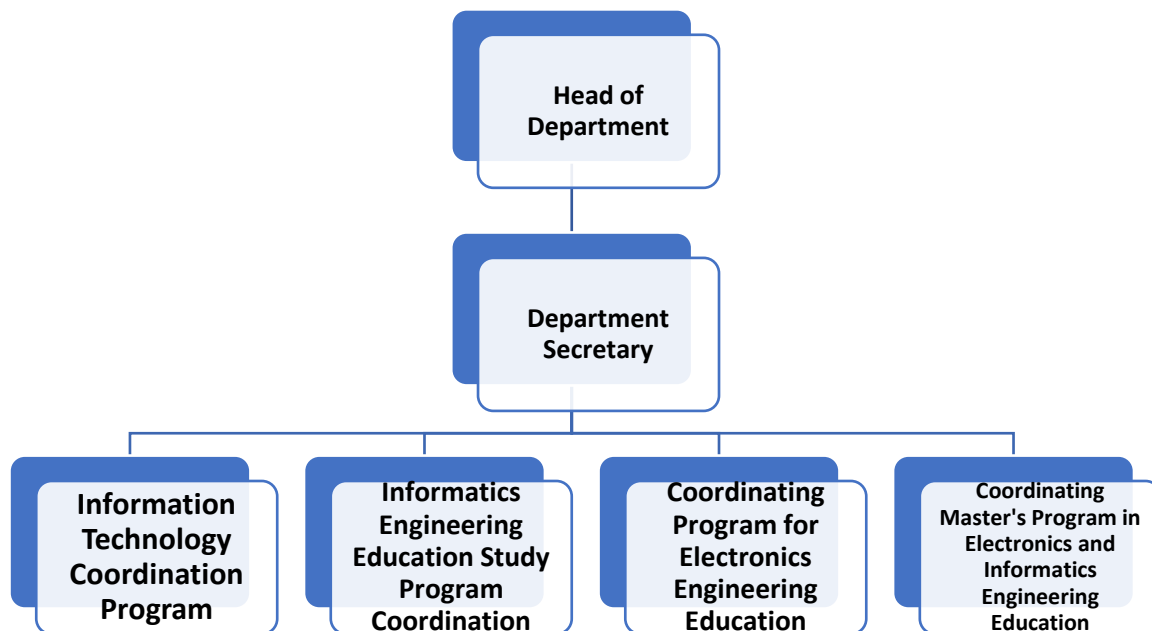
F. Lecturer Personnel

Information related to lecturer profiles can be seen at https://ti.ft.uny.ac.id/id/dosen.

G. Educational Facilities

Educational facilities that maintained by the Department of Electronics and Informatics Engineering Education consist of:

1. Secretary/ Department Room
2. Lecturer Rooms
3. Teaching & Learning Rooms
4. Computer Laboratory
5. Computer Network Laboratory
6. Programming and Information System Laboratory
7. Multimedia and Virtual Reality Laboratory
8. Data Communication Laboratory
9. Artificial Intelligence Laboratory
10. Data Engineering Laboratory

| Computer Network Laboratory | Programming and Information System Laboratory |
| Multimedia and Virtual Reality Laboratory | Data Communication Laboratory |

H. Media Publication Science

The Department of Electronics and Informatics Engineering Education manages and publishes several scientific journals as follows.

Elinvo (Electronics, Informatics, and Vocational Education)

Elinvo (Electronics, Informatics and Vocational Education) is a journal that publishes high quality scientific articles in English in the form of research results (the main priority) and or review studies in the fields of electronics and informatics both in terms of their technological and educational development that include the following fields of study:

1. Applied Electronics
2. Applied Informatics
3. Vocational Education in the field of Electronics
4. Vocational Education in the field of Informatics
5. Technology in Electronics and Informatics
6. Engineering in Electronics and Informatics

7. Electronics and Informatics Learning

Elinvo (Electronics, Informatics and Vocational Education)

Elinvo (Electronics, Informatics and Vocational Education) published in May and November. Accepted and published papers will be freely accessible in journal website https://journal.uny.ac.id/index.php/elinvo and the following abstracting & indexing databases:

1. Science and Technology Index (SINTA) by Indonesian Ministry of Education and Culture.
2. Google Scholar.

Journal of Information Engineering and Technology (JIETY)

The aim of this journal publication is to disseminate the conceptual thoughts or ideas and research results that have been achieved in the area of information technology. JIETY, particularly focuses on the main problems in the information technology areas as follows:

1. Computer System
2. Computer Network and Internet
3. Data Analysis
4. Programming
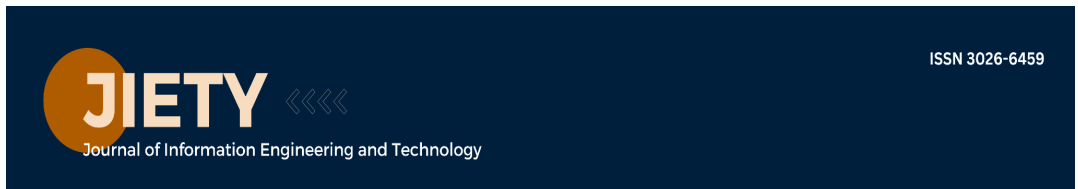
Journal of Information Engineering and Technology (JIETY) published in March and September. Accepted and published papers will be freely accessible on the journal website https://journal.uny.ac.id/publications/jiety.

II. Lecture System

Program Bachelor (S1) is program studies Which have burden studies minimum as much 153 credits with time education 8 semester.

A. Academic Guidance

After being accepted as a UNY student, the Department will appoint a person lecturer advisor/mentor academic, which called Also lecturer guardian, For every student. Mentoring beginning will done in a way classic, whereas Subsequent guidance is carried out 3-4 times each semester individually. Scope guidance academic includes:

1. Consultation taking subject on beginning semester,
2. Monitoring progress Study on middle semester,
3. Evaluation results lectures on end semester,
4. Service consultation for student Which have problem,
5. Give briefing in matter choose and propose scholarship,
6. Direct student in participation activity in outside campus (seminar national/international).

Student Also need consult with lecturer advisor academic momentwill take Practice Work Field (PKL) nor Task End. Lecturer academic advisors can be found in their respective work rooms, should with make promise moreover formerly.

B. Semester Credit System

The credit system is the provision of education by stating the burden of student studies, the workload of teaching staff, and the burden of running educational institutions in the form of credit. By using this system, each student can plan how to fulfill their entire study load by considering their personal abilities, talents and interests. The credit system also makes it easier to transfer credits between departments or between faculties within one university, even between universities. Semester is a unit of time for an effective learning process for 16 (sixteen) weeks excluding final semester exams. According to the Rector's Regulations at Yogyakarta State University, three semesters are held throughout one academic year, namely:

1. Odd semester: September to January of the following year.
2. Even semester: February to June walk.
3. Short/intermediate semester: July to August of the current year.

The overall learning that every student must undergo Completing a bachelor's degree is carried out in various forms of educational activities, namely lectures, practicums, seminars, field work practices (PKL), real work lectures (KKN), and writing final assignments. The implementation of education at UNY is based on the Semester

Credit System (SKS), so that each educational activity is measured in standardized study load units, namely semester credit units (sks).

The time allocation required to undertake educational activities of one credit a week is as follows.

Types of Learning	Time Allocation 1 credit in 1 week
Theory (Lecture), tutorial	50 minutes of face-to-face learning 60 minutes of structured learning assignments 60 minutes of independent learning
Seminar	100 minutes face to face 70 minutes of independent activity
Practicum, workshop practice	170 minutes response) (including preparation of reports/responses)
Research and service to society	170 minutes (including proposal preparation and report)

Programming course weighing 3 credits means that he needs to devote 150 minutes of time each week to taking part in lecture activities, 180 minutes to do structured learning tasks (for example homework), and 180 minutes for independent learning (for example doing questions - practice questions, re-reading lecture notes, and so on).

C. Student Study Load

Each semester's student study load is determined by considering the student's individual abilities and the average study time per day. If a student is considered to work normally for 9 hours per day, then in one week there is around 54 hours or 3,240 minutes of study time available. By looking at the time allocation of 1 credit which is equivalent to 170 minutes, it is obtained that the student study load under normal conditions is 20 credits per semester. The individual ability of each student is measured through the Achievement Index (GPA) in the previous semester, with conditions as follows.

Previous Semester Achievement Index	Maximum Study Load
More than 3.00	24 credits
2.50 – 3.00	22 credits
2.00 – 2.49	20 credits
Less than 2.00	18 credits

Determining the study load taken by students in a semester needs to be consulted with the academic advisor lecturer. Fulfilling the maximum study load can be

done by adding courses as long as classes are still available and the prerequisites have been met.

D. Subject

Undergraduate Program Curriculum at the Department of Electronics and Informatics Engineering Education FT UNY composed of a number of subjects, with the weight of each stated in credits. The amount of credits for each course is not the same, it is determined accordinglywith the scope of material and load for studying these subjects. Ber- base it its nature there is two group course:

1. Course **must**, must taken/followed all student something program studies. There are mandatory courses organized by universities, faculties, and study programs. More than 75% of the courses taken by students is course must.
2. Course **choice** can chosen in accordance with interest And talent
3. student To use complete condition graduation. Taking course choiceYou should also consider the theme of the final assignment you want to write student.

Each course also has **a course code** consisting of three letter followed by four numbers. The three-letter code indicates the course category the, namely:

MKU   : Compulsory subjects at Yogyakarta State University
F TE   : Course must UNY Faculty of Engineering
TIN   : Course Information Technology
MKL   : Course Practice Work Field

A course can have **prerequisites**, namely mandatory requirements completed before taking the course. A prerequisite can be an amountSKS Which Already taken, nor he obtained mark minimum certain on course other.

E. Registration and Payment of Education Fees

Approaching beginning semester new (month December/May/July), student expected monitor information date payment cost education form Money.

Studying Single (UKT) University Country Yogyakarta.

1. Payments can be made according to schedule online at BankBTN,Bank BNI, or Bank Mandiri, Branch offices/Cash Offices throughout Indonesia, or Bank BPD DIY Branch/Office Cash DIY, with mention Number ParentStudent (NIM).

2. Students who have finished their studies and will only undergo Judicium on At the beginning of the semester you can apply not to pay fees education/UKT to Deputy Dean I and submitted to the PNBP Subdivision Section Finance and Accounting as well as Registration and Statistics Subdivisions in the complex Rectorate UNY. If date Judiciary exceed limit Which determined (backward), student must report return to Subdivision PNBP Part Finance and Accounting and paying fees semester education/UKT the.

3. If happen constraint process payment (example difficulty know amount bill, difference amount bill, and etc), student requested contact the UNY Finance and Accounting Department at the UNY Rectorate Building 3rd floor west wing, call (0274) 552558 **before the deadline period payment cost education/UKT**.

The following are the steps for paying education fees at UNY using- right ATM BNI:

1. Prepare card ATM/debit BNI. Make sure balance in account Still sufficient.	
2. After enter card and PIN to machine ATM BNI, choose **MENU OTHER**. 3. Choose **PAYMENT.** 4. Use choice **MENU NEXT** until appear choice **UNIVERSITY**. Choose **UNIVERSITY**. 5. Choose **STUDENTS PAYMENTS CENTER (SPC).** 6. Insert code institution education UNY (**8015**) followed **NIM** You.	

<table>
<tr><td>

7. Will appear information in screen form Name student, NIM, faculty, as well as the amount of the bill cost. When information the Correct, choose **YES PAY**.
8. Choose type account Which in-use for pay.
9. Transaction finished. Machine ATM will emit proof payment, save it proof the with Good.

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</table>

Student Which No do registration with method pay cost education until the payment deadline ends, the status will be processed become **paid leave studying**. Provision more carry on about paid leave studying.

F. Filling out the Study Plan Card

Student Which has do registration entitled follow activity education in that semester. Therefore, students must design learning activities in the next semester by filling in the Plan Card Study (KRS) online on the **SIAKAD account** (http://siakad.uny.ac.id). Process charging KRS is as following.

1. Students are required to ask for consideration and approval from the Advisory Lecturer Academics before filling in KRS online, related to course And amount credits.
2. Student open account SIAKAD with e-mail and password each each. Furthermore, on period charging KRS, system will display list course Which available on semester the, along with Name lecturer tutors, class schedules, and remaining student capacity. Student can choose the courses they want to take. Automatically, system SIAKAD will limit amount credits course Which can taken based on achievements semester IP previously.
3. Academic Advisors provide online approval regarding the amount credits Which taken by student for semester Which will carried out based on IP Which achieved on semester previously.
4. Students can cancel courses they have taken during the semester running no later than week 8 (eight) counting from the first week lectures on agreement lecturer P.A in a way online.
5. Students can add a maximum of one course per semester walk no later than Sunday the 3rd (three) calculated since the first week lectures provided that they do not exceed the maximum study load allowed in One semester.

The inclusion of courses in the KRS creates rights for students to take the Final Semester Examination (UAS). A student is only permitted follow UAS For course Which listed in the KRS.

G. Lectures

At the first meeting or face-to-face meeting of each course, generally the lecturer will explain the course description, syllabus, handbook/reference, learning strategies, as well as assessment systems. Next are lecturers and students will sign a lecture contract, which contains the frequency of giving assignments, quizzes, side exams, and minimum attendance and assessment weight agreed between lecturers and students. Lectures can be held online stare advance directly or in a way blended, ie: combination between stare advancedirect and learning online.

Studying Stare Advance Direct

Face-to-face lectures are conducted directly in lecture rooms which is available at the UNY Faculty of Engineering. In attending lectures, students must attend on time and obey the FT UNY lecture rules and regulations orderly conditions that are agreed in the lecture contract. Attendance for lecturesstare advance done in a way online via https://siakad.uny.ac.id/ .

Studying with E-Learning

Online lectures in the UNY Information Technology Study Program are carried out via the website http://besmart.uny.ac.id . After logging in by entering your UNY email account and passwords, user can choose faculty, program studies, up to the eyes studying. Onfor each course, various files are available (videos, material summaries, handout) that students can download. Students can also take quizzes in a way online.
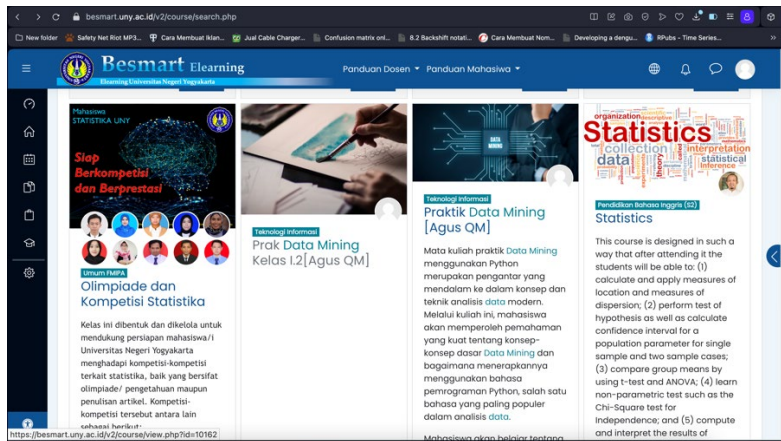
Appearance site lectures online in UNY

Lectures online Also can combined with lectures stare advancedirect, Which known as method blended learning.

H. Assessment and Examination

Assessment of students' abilities in a course is carried out using pass a course achievement assessment (CPMK) and end-semester exams. Evaluation CPMK can originate from assignment good individual nor group, quiz and project, like listed on module handbook each course.As for Exam End Semester (UAS) is exam Which its implementation scheduledaccording to the academic calendar. The schedule and location for the UAS will be announcedon bulletin boards. Each student only has a maximum go through two exam eyes in One day.

Final grade (NA) obtained by students for a course (MK) is the accumulation of the grades obtained per learning sub-achievement and final semester exam (UAS), with weights determined in the module handbook. The final value is expressed in letters and numbers based on the value range Which obtained in accordance table in lower This.

NA (Scale 0 – 100)	Mark	
	Letter	Number
86 – 100	A	4.00
81 – 85	A-	3.67
76 – 80	B+	3.33
71 – 75	B	3.00
66 – 70	B-	2.67
61 – 65	C+	3.33
56 – 60	C	2.00
41 – 55	D	1.00
0 – 40	E	0.00

Students who have not completed and submitted assignments related to the subject in question, is not given a grade and on the list of values is marked K. The K sign can be changed to the proper value if student has finish and deliver tasks in period timemaximum one semester. If the assignment is not fulfilled, students will receive a grade in accordance achievements task/component which has There is.

Mark end each student can accessed in https://siakad.uny.ac.id/ withHow to log in using each student's account. Based on final grades Semester Achievement Index (GPA) can be determined by: total scores letters that have been transferred to numerical values/weights multiplied by the number of course creditsdivided by the number of credits taken by the student concerned in the semester certain.

Index Performance influential on many credits Which can taken students in the next semester. It is hoped that students will know the maximum number of credits that can be taken in the next semester and can be Use exam scores to consider which courses to take taken on next semester.

I. College Leave

For submit paid leave, a student program S1 Information Technology must fulfil the following conditions:
a. Has go through studying minimum One semester, with most little hasgo through 10 credits and index performance most low 3.00.
b. No recipient scholarship.
c. Not yet exceed limit amount paid leave studying.

Provision implementation paid leave studying:
1. Study leave is not counted as a study period and is not required pay cost education.
2. The permitted length of study leave is 2 (two) semesters while studying studies.
3. Student Which No implement registration on beginning semester will process paid leave studying in a way automatic.
4. Paid leave studying automatic given most Lots two time throughout student still own right paid leave studying.
5. Students who are on leave from college do not have the right to obtain service academic and utilize facility academic.
6. Students who have already registered can apply for leave college and canceled his study plans, but the educational costs have been coveredpaid No can withdrawn return.
7. If after taking leave from college for two consecutive semesters, student no do registration on semester next, so semester during paid leave studying taken into account as period studies. If studentIf you want to re-register, students must pay educational fees semester previously And Which will taken.

8. Students who have taken leave from college for two consecutive semesters participate and do not register in the following two semesters successively declared to have resigned as a student and has the right to do so obtain certificate Once studying (SKPK).

Applications for study leave can be made via http://eservice.uny.ac.id with procedures as determined and submitted each semester are running accordingly with timetable Which has set.

J. Transfer and Transfer of Credit

Provisions regarding credit transfer or credit transfer (recognition of points courses taken by students outside UNY), transfer of study program (transfer students from one study program to another study program at UNY), until transfer university (displacement student from UNY to college tall other) has arranged in detail in Yogyakarta State University Chancellor's Regulation Number 15 Year 2023 regarding Regulations Academic University Country Yogyakarta.

K. Real Work Lectures (KKN)

Real Work Lecture (KKN) is a course with a weight of 6 credits and consists of **mandatory graduation** status for all UNY undergraduate students as a form of service to the community (PPM). The implementation of KKN is interdisciplinary and simultaneous integration of education, research and community service activities public. Through KKN, students are exposed to the community so that What happens is the nature of give and take between the two. There isThere are five types of KKN held at UNY, including Regular KKN, KKN Independent, KKN Cooperation, KKN Nationality, KKN RPL Lectures (Non MBKM). The process of implementing KKN in a special semester generally consists of: from three stages as following.

Stage	Information
Preparation	Studies appropriateness and licensing location KKN. Student registration, group formation.Provision student candidate KKN participants.
Evaluation	Evaluation of program success and implementation.Drafting report individual, group, And team. Act carry on results KKN.

Information more carry on about KKN And guide complete can obtained through LPPM UNY (https://mkpk.uny.ac.id/).

L. Judicial and Graduation

To be declared graduated, a student in an undergraduate study program Information Technology must fulfil the following conditions.

a. Has passed at least 153 SKS (course), which consists from all over compulsory courses are supplemented with elective courses according to the curriculum applies.
b. Own index performance at least 2.50.
c. Amount SKS course with mark D maximum 10% from amount SKS total.
d. No own mark E.
e. Own ability Language English with score ProTEFL minimum 425.

Student Which has fullfil terms the in on permitted to register for Judicium, namely the process of determining grades and graduation students from all academic processes. Judiciary can also be understood as announcement of grades to students as the final assessment process for all courses taken by students, determination of grades in academic transcripts, as well as determining whether a student has passed or not. Judicial decision taken in something meeting judiciary Which held by Senate Faculty And stated in form Decision Dean. Judiciary held every month in each faculty. The Judiciary process is also a predicate determination graduation student in accordance table following.

Predicate	GPA	Period Studies
With praise highest (Summa Cum Laude)	4.00	4.0 year
With praise (Cum Laude)	3.51-4.00	$\leq$ 4.5 year
Very satisfying (very satisfactory)	3.01-3.50	-
Satisfying (satisfactory)	2.50-3.00	-

To be able to take part in the Yudisium, students need to prepare documents Which consists from:
1. Document Results Studies (DHS)
2. Letter Information Free Theory
   Document Results Studies and Letter Information Free Theory must signed by the academic supervisor (PA) and Head of Department each.
3. Letter Information Free Borrow Library

Letter information free borrow library must obtained from UPTLibrary UNY And Library Faculty Technique UNY. For UPT LibraryUNY, students can get letters the in a way online through http://library.uny.ac.id/member/login/ , after finish obligation return all book and uploading script task end thesis.

As for procedure registration Judiciary is as following:

1. Students who have fulfilled all requirements take form Judicial registration at the Education Subdivision, Faculty of Engineering (KPLT Building Counterfloor 1).
2. Students fill out the Yudisium registration form, then ask for a signature validation from Chairman Program Studies.
3. Student deliver return form the to Subdivision Education by submitting requirements in the form of Study Results Documents (DHS), evidence payment cost education semester final, agreement from Lecturer Academic Advisor, Theory Free Certificate, Free Certificate Borrow Library, and Letter Information Loan Free tool laboratory.
4. Student register judiciary in a way online through account SIAKAD (https://siakad.uny.ac.id/) each.
5. Students check draft diplomas and draft transcripts, especially on write name, date of birth, and course grades. Writing error, if There is, must quick revised.
6. Student pay cost judiciary and at a time cost graduation.
7. Student follow ceremony Judiciary.

The Judicial Ceremony is held by the Faculty and must be attended by all student Which has register For month the. Participant judiciary mustcome appropriate time with clothes Which has determined (superior shirt white, trousers /skirt bottoms, black formal shoes instead of shoes sport). Judicial participants who are unable to attend will be included in the judiciarymonth next.

Graduation is the final process in a series of academic activities at college tall. As sign confirmation on finished studies, held processioninauguration through an open UNY senate meeting. Graduation is carried out by the University four time in a year, ie on month February, May, August, And November.

III.   Information Technology Undergraduate Study Program

A. Vision
To become a superior, creative and innovative study program in the field of Information Technology based on piety, independence and intelligence by 2025.

B. Mission
The vision above is described in 5 mission points as follows:
1. Organizing education and teaching in the field of Information Technology with an emphasis on Software Systems, Computer Networks and Multimedia that meet the increasingly complex and changing needs of society and industry, with the provision of *art* and *technopreneur*.
2. Carrying out research in accordance with the field of Information Technology.
3. Carrying out community service in accordance with the field of Information Technology.
4. Facilitate Information Technology student activities.
5. Organizing cooperative relationships with similar study programs and related institutions/institutions.

C. Objective
1. Graduates are able to understand and show obedience to God Almighty in carrying out quality tasks.
2. Graduates are able to demonstrate independent performance, practical communication skills, develop collaborative networks with stakeholders and show sensitivity and social sensitivity towards the community and surrounding environment.
3. Graduates master in-depth knowledge of basic science and engineering concepts.
4. Graduates are able to design, implement and analyze information systems, multimedia and computer networks in the field of information technology.
5. Graduates are able to apply the knowledge and skills they have to make the right decisions to solve problems in the workplace.
6. Graduates are able to analyze current problems and problems to provide solutions in the use of technology.

D. Graduate Profile

No	Profession	Competence
1.	Software Developer	Able to develop software by applying software development methodology that is in accordance with the latest developments in order to produce software that suits user needs.
2.	Multimedia Developer	Able to develop multimedia systems/applications by applying multimedia development methodology in accordance with the latest developments in order to produce multimedia systems/applications that suit user needs.
3.	Data Communication / Network Engineer	Able to develop data communication systems/computer networks in accordance with the latest developments in accordance with user needs.
4.	Technopreneur	Able to internalize the spirit of independence, struggle, entrepreneurship, and able to demonstrate a responsible, honest and disciplined attitude towards work in their field of expertise independently.

E. Curriculum

On midyear 2020, Minister Education Republic Indonesia launch program **Independent Study - Campus Independent**. Respond policy the, University Country Yogyakarta (UNY) do revision curriculum. Difference main curriculum MBKM or Curriculum 2020 with curriculum previously among others:

- This curriculum allows students to undertake internships or internships period time two month or more.
- There is three pattern period Study For taking subject.
- There is chance For take course in outside study program, cross faculty, even cross university.
- "Compression" a number of course without reduce quality understanding student.
- Curriculum This used by student Study Program S1 Information Technology force 2020 since semester 1.

F. Graduate Learning Outcomes

Formulation Achievements Learning Graduate of (CPL) arranged together by lecturer-lecturer Program Studies S1 Information Technology under instruction

manager Department Education Electronics and Information Engineering , Which lowered from profile graduate of with fulfil levels6 Indonesian National Qualifications Framework (KKNI) and National Education Standards Tall (Permenristek Higher Education Number 44 Year 2015), as well as refers results discussion Aptikom organization (Computer College Association), as well as input from various related parties. Every graduate of the University Information Technology Undergraduate Study Program Country Yogyakarta has Minimum CPL as following.

ATTITUDE

CPL 1	Have faith in God Almighty and be able to show a religious attitude;
CPL 2	Upholding human values in carrying out duties based on religion, morals and ethics;
CPL 3	Internalize academic values, norms and ethics;
CPL 4	Acting as a citizen who is proud and loves the country, has a sense of nationalism and a sense of responsibility to the state and nation;
CPL 5	Respect the diversity of cultures, views, religions and beliefs, as well as the original opinions or findings of others;
CPL 6	Contribute to improving the quality of life in society, nation and state, and the progress of civilization based on Pancasila;
CPL 7	Working together and having social sensitivity and concern for society and the environment;
CPL 8	Obedient to the law and discipline in social and state life;
CPL 9	Internalize the spirit of independence, struggle and entrepreneurship;
CPL-10	Demonstrate a responsible attitude towards work in their field of expertise independently.

MASTERY KNOWLEDGE

CPL 1	Mastering basic science from the field of mathematics for the basis of thinking;
CPL 2	Mastering concepts, theories and applications in the field of information technology;
CPL 3	Master the principles and ethics of design and engineering;

CPL 4	Mastering research methods, design and information technology engineering.

SKILLS GENERAL

CPL 1	Apply logical, critical, systematic and innovative thinking in the context of developing or implementing science and/or technology in accordance with the field of information and computer technology expertise;
CPL 2	Able to demonstrate independent, quality and measurable performance;
CPL 3	Examining the implications of the development or implementation of science, technology or art according to the field of expertise in information technology and computers based on scientific rules, procedures and ethics to produce solutions, ideas, designs or art criticism as well as compiling a scientific description of the results of the study in the form of a thesis or final assignment report ;
CPL 4	Compile a scientific description of the results of the study above in the form of a thesis or final project report, and upload it on the university website;
CPL 5	Make appropriate decisions in the context of problem solving in the field of computer engineering and information technology, based on the results of analysis of information and data;
CPL 6	Develop and maintain a working network with supervisors, colleagues, colleagues both inside and outside the institution;
CPL 7	Able to be responsible for the achievement of group work results and supervise and evaluate the completion of work assigned to workers under his/her responsibility;
CPL 8	Able to carry out a self-evaluation process for work groups under their responsibility, and able to manage learning independently; And
CPL 9	Able to document, store, secure and retrieve data to ensure validity and prevent plagiarism.

SKILLS SPECIAL

CPL 1	Have the ability to plan, create and evaluate IT products;
CPL 2	Able to implement solutions by utilizing the latest information technology;
CPL 3	Have good social personality skills;
CPL 4	Have basic skills in the field of software engineering/information systems, multimedia design, or data communications/computer networks;

CPL 5	Able to apply mathematics, science and engineering principles *to* solve complex engineering problems in the field of information technology;
CPL 6	Able to find the source of engineering problems in software systems, computer networks and multimedia;
CPL 7	Able to carry out research that includes identification, formulation and analysis of engineering problems in informatics and computer engineering;
CPL 8	Able to design programs according to customer requests with appropriate algorithms and development opportunities programs/software, or multimedia/graphic products or designing related computer networks both small and large scale along with all network security needs in accordance with models of various developing network technologies and network development opportunities.

Achievements learning graduate of the explained as achievementslearning subject (CPMK) accordingly table following.

a) Course University and Faculty

No	Course	Achievements Learning Graduate of (CPL) Main									
		1	2	3	4	5	6	7	8	9	10
1	Education Religion	✓	✓								
2	Education Citizenship	✓	✓								
3	Language English			✓			✓				
4	Transformation Digital			✓	✓		✓	✓			
5	Pancasila	✓	✓	✓							
6	Language Indonesia			✓			✓				
7	Creativity, Innovation and Entrepreneurship			✓			✓				

No	Course	1	2	3	4	5	6	7	8	9	10
8	English						✓				
9	Statistics				✓	✓					
10	Physics			✓							

b) Course Must Study Program Information Technology

No	Course	Achievements Learning Graduate of (CPL) Main									
		1	2	3	4	5	6	7	8	9	10
1	Programming Algorithms					✓					
2	Linear Algebra					✓					
3	Algorithm Analysis					✓	✓				
4	Web Application										✓
5	Engineering English							✓			
6	Database					✓				✓	
7	Data Mining					✓	✓				
8	Professional Ethics/Intellectual Property Rights										
9	Human Computer Interaction									✓	
10	Computer network									✓	

No	Course	Achievements Learning Graduate of (CPL) Main									
		1	2	3	4	5	6	7	8	9	10
11	Multiple Variable Calculus					✓					
12	Single Variable Calculus					✓					
13	Data communication					✓					✓
14	Logic					✓					
15	Project Management 1							✓			
16	Project Management 2								✓		
17	Software Project Management					✓	✓				
18	Discrete mathematics					✓					
19	Digital Media			✓		✓				✓	
20	Numerical Methods					✓					
21	Research methods					✓	✓		✓		
22	Computer Systems Organization					✓					
23	Programming 1					✓					
24	Programming 2					✓					

No	Course	Achievements Learning Graduate of (CPL) Main									
		1	2	3	4	5	6	7	8	9	10
25	Visual Programming										✓
26	Web Programming									✓	✓
27	Differential Equations					✓					
28	Programming Algorithm Practice					✓	✓				
29	Web Application Practices										✓
30	Database Practices									✓	
31	Data Mining Practices					✓	✓				
32	Computer Network Practices						✓				
33	Data Communication Practices					✓					✓
34	Programming Practices 1					✓					
35	Programming Practice 2					✓					
36	Semantic Web Practices										✓
37	Data Structure Practice									✓	
38	Digital Engineering Practice					✓					

No	Course	Achievements Learning Graduate of (CPL) Main									
		1	2	3	4	5	6	7	8	9	10
39	Independent Project				✓						
40	Software engineering			✓				✓		✓	
41	Operations Research									✓	✓
42	Semantic Web										✓
43	Security System						✓			✓	
44	Operating system									✓	
45	Expert system					✓	✓				
46	Data Structures					✓					
47	Digital Engineering					✓					
48	Multimedia Technology									✓	
49	Graph Theory and its Applications					✓					
50	Probability Theory					✓					
51	Vectors and M matrices					✓					
52	Industrial Practices		✓								✓

No	Course	Achievements Learning Graduate of (CPL) Main									
		1	2	3	4	5	6	7	8	9	10
53	Community Service Program		✓	✓							✓
54	Thesis		✓	✓	✓	✓		✓			

c) Course Choice Information Technology Study Program

No	Course	Achievements Learning Graduate of (CPL) Main									
		1	2	3	4	5	6	7	8	9	10
1	Network Administration								✓	✓	✓
2	Artificial Intelligence										✓
3	Broadcasting									✓	
4	Web Design									✓	✓
5	Educational Games								✓	✓	
6	Internet of Things										✓
7	Distributed Networks									✓	✓
8	Wireless Communications				✓						✓
9	Information Systems Management								✓		✓

No	Course	Achievements Learning Graduate of (CPL) Main									
		1	2	3	4	5	6	7	8	9	10
10	Interactive Multimedia								✓	✓	✓
11	Mobile Application Development				✓						✓
12	Object Oriented Systems Development				✓				✓	✓	✓
13	Digital Image Processing									✓	✓
14	Network Administration Practices								✓	✓	✓
15	Artificial Intelligence Practices										✓
16	Broadcasting Practices									✓	
17	Web Design Practice									✓	✓
18	Educational Game Practice								✓	✓	
19	Internet of Things Practices										✓
20	Distributed Network Practices									✓	✓
21	Information Systems Management Practices								✓		✓
22	Interactive Multimedia Practices								✓	✓	✓
23	Mobile Application Development Practices				✓					✓	✓

No	Course	Achievements Learning Graduate of (CPL) Main									
		1	2	3	4	5	6	7	8	9	10
24	Object-Oriented Systems Development Practices				✓				✓	✓	✓
25	Digital Image Processing Practices										✓
26	Scripting Languages Practice										✓
27	Decision Support Systems Practice								✓	✓	
28	Voice and Video Network Practice									✓	✓
29	Scripting Languages										✓
30	Decision Support Systems									✓	✓
31	Voice and Video Networks									✓	✓

G. Course Structure
Semester 1 (all study period patterns)

No	Code	Subject	SKS				Precondition
			Q	P	L	J	
1	MKU6201	Islamic education	2			2	
	MKU6202	Catholic Christian Religious Education	2			2	
	MKU6203	Protestant Christian Religious Education	2			2	
	MKU6204	Hindu Religious Education	2			2	
	MKU6205	Buddhist Education	2			2	
	MKU6206	Confucian Religious Education	2			2	
2	FTE6211	Physics	2			2	
3	TIN6222	Differential Equations	2			2	

No	Code	Subject	SKS				Precondition
			Q	P	L	J	
4	MKU6212	Digital Transformation	2			2	
5	TIN6202	Programming 1	2			2	
6	TIN6203	Programming Practices 1		2		2	
7	TIN6204	Digital Engineering	2			2	
8	TIN6205	Digital Engineering Practice		2		2	
9	TIN6206	Logic	2			2	
10	TIN6214	Single Variable Calculus	2			2	
11	TIN6208	Computer Systems Organization	2			2	
12	TIN6275	Vectors and matrices	2			2	
		Total	30	4		34	

Semester 2 (all study period patterns)

No	Code	Subject	SKS				Precondition
			Q	P	L	J	
1	MKU6211	English*	2			2	
2	TIN6112	Data Structure Practice		1		1	
3	TIN6207	Multiple Variable Calculus	3			3	
4	TIN6209	Programming 2	2			2	
5	TIN6210	Programming Practice 2		2		2	
6	TIN6211	Operating system	2			2	
7	TIN6212	Data Structures	2			2	
8	TIN6215	Computer Network Practices		2		2	
9	TIN6217	Discrete mathematics	2			2	
10	TIN6221	Computer network	2			2	
11	TIN6239	Multimedia Technology		2		2	
		Total	**15**	**7**		**22**	

Semester 3 (all study period patterns)

No	Code	Subject	SKS				Precondition
			Q	P	L	J	
1	TIN6113	Programming Algorithm Practice		1		1	
2	TIN6213	Programming Algorithms	2			2	
3	TIN6218	Data communication	2			2	
4	TIN6219	Data Communication Practices		2		2	
5	TIN6220	Visual Programming		2		2	

No	Code	Subject					Precondition
6	TIN6223	Database	2			2	
7	TIN6224	Database Practices		2		2	
8	TIN6225	Digital Media	2			2	
9	TIN6226	Software engineering	2			2	
10	TIN6234	Numerical Methods	2			2	
11	TIN6235	Linear Algebra	2			2	
		Total	**14**	**7**		**21**	

Semester 4 (all study period patterns)

No	Code	Subject	SKS				Precondition
			Q	P	L	J	
1	TIN6216	Web Programming	2			2	
2	FTE6210	Statistics	2			2	
3	MKU6208	Pancasila	2			2	
4	MKU6209	Indonesian	2			2	
5	TIN6227	Graph Theory and its Applications	2			2	
6	TIN6130	Decision Support Systems	1			1	
7	TIN6136	Mobile and Cloud Computing Architectures	1			1	
8	TIN6143	Visual communication design	1			1	
9	TIN6228	Software Project Management	2			2	
10	TIN6231	Decision Support Systems Practice*1)		2		2	
11	TIN6237	Mobile and Cloud Computing Architecture Practice		2		2	
12	TIN6238	Security System	2			2	
13	TIN6244	Visual Communication Design Practices*3)		2		2	
14	TIN6263	Algorithm Analysis	2			2	
15	TIN6369	Research methods	3			3	
		Total	**22**	**6**		**28**	

Semester 5 (all study period patterns)

No	Code	Subject	SKS Q	SKS P	SKS L	SKS J	Precondition
1	MKU6207	Civic education	2			2	
2	MKU6213	Creativity, Innovation and Entrepreneurship	2			2	
3	TIN6145	Mobile Application Development	1			1	
4	TIN6147	Wireless Communications	1			1	
5	TIN6177	Digital Image Processing Practices		1		1	
6	TIN6240	Probability Theory	2			2	
7	TIN6241	Engineering English	2			2	
8	TIN6242	Human Computer Interaction	2			2	
9	TIN6246	Mobile Application Development Practices*		2		2	
10	TIN6248	Wireless Communications Practices		2		2	
11	TIN6249	Information Systems Management	2			2	
12	TIN6250	Information Systems Management Practices		2		2	
13	TIN6251	Network Administration	2			2	
14	TIN6252	Network Administration Practices		2		2	
15	TIN6253	Interactive Multimedia	2			2	
16	TIN6254	Interactive Multimedia Practices		2		2	
17	TIN6264	Scripting Languages Practice		2		2	
18	TIN6265	Voice and Video Networks	2			2	
19	TIN6266	Voice and Video Network Practice		2		2	
20	TIN6267	Web Design	2			2	
21	TIN6268	Web Design Practice		2		2	

No	Code	Subject	SKS Q	P	L	J	Precondition
22	TIN6273	Scripting Languages	2			2	
23	TIN6276	Digital Image Processing*	2			2	
24	TIN6285	Web Application	2			2	
25	TIN6295	Web Application Practices		2		2	
Total			**28**	**19**		**47**	

Semester 6 (all study period patterns)

No	Code	Subject	SKS Q	P	L	J	Precondition
1	TIN6132	Educational Games	2			1	
2	TIN6233	Educational Game Practice		2		2	
3	TIN6270	Data Mining	2			2	
4	TIN6170	Data Mining Practices		1		1	
5	TIN6278	Expert system	2			2	
6	TIN6279	Operations Research	2			2	
7	TIN6280	Professional Ethics/Intellectual Property Rights	2			2	
8	TIN6355	Independent Project		3		3	
9	TIN6257	Object Oriented Systems Development	2			2	
10	TIN6258	Object-Oriented Systems Development Practices		2		2	
11	TIN6259	Distributed Networks	2			2	
12	TIN6260	Distributed Network Practices		2		2	
13	TIN6269	Artificial Intelligence	2			2	
14	TIN6282	Artificial Intelligence Practices		2		2	
15	TIN6271	Internet of Things	2			2	
16	TIN6272	Internet of Things Practices		2		2	
17	TIN6281	Broadcasting	2			2	
18	TIN6274	Broadcasting Practices		2		2	
19	TIN6256	Semantic Web	2			2	
20	TIN6156	Semantic Web Practices		1		1	

No	Code	Subject	SKS				Precondition
			Q	P	L	J	
		Total	**22**	**17**		**38**	

Semester 7 (all study period patterns)

No	Code	Subject	SKS				Precondition
			Q	P	L	J	
1	MKL6611	Industrial Practices			6	6	
2	TIN6370	Project Management 1		3		3	
3	TIN6371	Project Management 2		3		3	
4	MKL6604	Community Service Program			6	6	
		Total		**6**	**12**	**77**	

Semester 8 (all study period patterns)

No	Code	Subject	SKS				Precondition
			Q	P	L	J	
1	TAM6801	Final Thesis Assignment			8	8	
		Total			**8**	**8**	

H. Industrial Practice (PI)

Industrial Practice is a course that must be taken by every student of the Information Technology Study Program at F T UNY in completing to the complete curriculum (minimum 146 credits) to complete the prerequisites for obtaining Bachelor's degree and **graduation is mandatory**. This course is held only at field / industry (without theory in class and guided practicum in the laboratory) on industries or agencies that have relevance to material objects and problems mathematics and science. The weight of PKL is 3 credits of field practice equivalent to 136 hoursin period time 1 month. Provision more carry on about submission title street vendors, determination location street vendors, administration street vendors, as well as preparation report end Street vendors can seen on book guidelines street vendors which available on the https://drive.google.com/drive/u/1/folders/1dAoNoxP00HX1LO0E5eYHXsFAD6gmWX1H

I. Thesis

Final Thesis Assignment (TAS) for Information Technology Undergraduate Study Program students is a mandatory course to pass in the form of students' scientific writing reflects his ability to carry out scientific thinking processes and patterns through research activities. This course weighs 8 credits and can be

taken at year fourth.

The process of preparing a thesis in the Information Technology Undergraduate Study Program provides the basics of ability to literature study, research, and procedures for writing scientific papers. Students who have fulfil precondition taking thesis (110 SKS with GPA minimum 2.0) contact lecturer advisor academic for request recommendation preparation thesis. Recommendation and description short related title task end thesis consultation with the Information Technology Study Program Coordinator to determine the supervisor thesis.

Students contact the appointed supervisor to request the lecturer's approval. Next, students work on the thesis belowguidance from the supervisor, by filling in the final thesis assignment guidance cardevery time guidance. After the thesis has been completed, students can submit itapplication exam task end of the thesis. Guide complete about writing/arranging thesis can downloaded on https://drive.google.com/drive/u/1/folders/1dAoNoxP00HX1LO0E5eYHXsFAD6g mWX1H Process proposal topic until proposal SK exam thesis can held in a way online use system informationSIBIMTA (http://bimbingan.uny.ac.id).

IV. Students Activities and Organizations

To support self development especially student's soft skill, Universitas Negeri Yogyakarta (UNY) provides several kind of activities and organizations, in department, faculty, as well as university.

A. Activities and Organizations in Department Level

HIMANIKA

This organization is called the Electronics and Informatics Student Association of the Faculty of Engineering, Yogyakarta State University, which is then abbreviated as HIMANIKA FT UNY. HIMANIKA FT UNY functions as a forum for members, student coordinators, channeling aspirations, communication, and information for the Department of Electronics and Informatics Engineering Education. HIMANIKA FT UNY aims to improve and develop cooperation and existence imbued with a sense of togetherness and kinship with full responsibility (and a sense of professionalism) for students of the Department of Electronics and Informatics Engineering Education inside and outside the FT UNY environment.

Core Board Work Program

1. Big Meeting

The Big Meeting is a routine activity carried out in an effort to create a high social spirit between HIMANIKA FT UNY administrators and unite the vision so as to create a sense of mutual care, understanding, and understanding of conditions between administrators and departments.

2. Progress Report

Progress Report is a report on the accountability of the work program of the HIMANIKA FT UNY Management for half the management period that has been carried out.

3. Cash Recapitulation

Cash Recapitulation is a financial report and contribution of the HIMANIKA FT UNY management during one management period.

4. Work Meeting

Work meetings are activities to present and discuss all work programs according to their division that will be carried out during one management.

5. General Assembly

The General Assembly is a forum to account for the work program during one management of HIMANIKA FT UNY as well as the re-discussion of the AD / ART, GBHK, and SOP BSO PJEI from HIMANIKA FT UNY for the next period.

6. Chair Candidate Debate

As a series of socialization of Candidates for Chairperson of HIMANIKA FT UNY for the next period, the Chairperson Candidate Debate is held so that students of the Department of Electronics and Informatics Engineering Education (DPTEI) can get to know and understand the vision and mission of the Candidates for Chairperson of HIMANIKA FT UNY for the next period. And also as a successful KM FT UNY democratic party, namely the Student Election (Pemilwa).

7. Open House

Open House is an incidental work program. Because this is a work program held by BEM FT UNY with activity participants are all ORMAWA FT UNY.

Reasoning Department Work Program

1. Elination

Elination is a competition in the field of electronics and informatics which aims to accommodate students in competing in the field of electronics and informatics. Organized at the national level.

2. National Seminar

The National Seminar is a means of being able to gain new views and knowledge to students of the Department of Electronics and Informatics Engineering Education in the hope of obtaining knowledge that can be developed to solve a problem in the field of electronics and informatics.

3. HIMANIKA Short Course

HIMANIKA Short Course (HSC) is a short training program organized by the HIMANIKA organization. This program is designed to provide an in-depth understanding in the field of informatics and electronics in a short period of time. Typically, HSC offers intensive training over several days to equip participants with the knowledge and practical skills needed in the electronics and informatics industry or field.

Interest and Talent Department (MINBAK) Work Program

1. HIMANIKA SPORT

    HIMANIKA SPORT is a series of sports activities carried out by the Interest and Talent Department of HIMANIKA FT UNY. Sport is one of the most important activities to maintain body fitness and also reduce stress. This activity in its development can be carried out as an activity that appreciates the interests and talents of the residents of the Department of Electronics and Informatics Engineering Education to improve achievement, a sense of kinship and familiarity between residents of the PTEI FT UNY Department.

2. HIMANIKAFEST

    HIMANIKAFEST is the culmination of work program activities carried out by the Department of Interest and Talent which contains various competitions culminating in a music event to enliven the anniversary of HIMANIKA FT UNY. HIMANIKAFEST is a means to accommodate and channel the interests and talents of the residents of the Department of Electronics and Informatics Engineering Education in various competitions. Therefore, by holding this event, it is hoped that the residents of the Department of Electronics and Informatics Engineering Education can be facilitated to develop their potential in their respective fields. The existence of music events was inspired by the tendency of residents of the Department of Electronics and Informatics Engineering Education to carry out activities that can refresh the mind such as activities that focus on developments, especially in the field of art, namely the art of music in the modern era.

Work Program of The Student Resource Development Department (PSDM)

1. Community Service

    Community Service is a forum for students of the Department of Electronics and Informatics, especially for HIMANIKA to increase Social Awareness and a sense of Caring for others and provide positive impacts and assistance to the community.

2. Green Campus

    Green Campus is one of the work programs carried out by students of the Department of Informatics and Electronics Engineering Education FT UNY, to increase students' concern for the environment, and create a more beautiful, clean and comfortable campus environment.

3. Humanitarian Project

    Humanitarian Project is an activity carried out by students with the main purpose of providing assistance and contribution to those in need within the scope of social, humanitarian, and community welfare.

4. CORE (Campus Orientation)

CORE (Campus Orientation) is one of the first activities followed by new students before entering lectures. The aim is to introduce the campus environment, especially the physical and academic environment of the Department of Electronics and Informatics Engineering Education, Faculty of Engineering, Yogyakarta State University. CORE (Campus Orientation) teaches new students religious, intellectual, cooperation, humanistic, and disciplinary values that will help them in completing their lecture activities.

5. Leadership Training

Leadership Training (SHIBERNIKA) activities for new students are a series of Campus Orientation (CORE) events for the Department of Electronics and Informatics Engineering Education. Leadership is a person's ability to influence, direct, and inspire others to achieve a common goal. It involves a combination of skills, traits, and attitudes that enable an individual to lead and motivate their team or organization.

6. Active Student Database

In the growing digital era, the need for a database system is becoming increasingly important, especially in the context of educational institutions such as DPTEI. Student data is an important asset that needs to be safeguarded, managed, and accessed safely and efficiently. The Student Database project aims to provide a platform that can manage the personal data of active DPTEI students in an organized and secure manner. With a good database system, institutions can easily access and manage important information about students, such as personal, academic, and administrative information, to support effective administration, monitoring, and decision-making activities.

7. Board Internship

Management Internship is a space for new students who will be directly involved in activities that are useful for self-development and learning about organizations within the Faculty of Engineering, and also provide a deeper understanding of HIMANIKA FT UNY.

8. Class Chair Communication Forum

The Class Chair Communication Forum is a forum for communication between the HIMANIKA management and all class leaders or department residents as representatives of the classes of each department in the Department of Electronics and Informatics Education.

Work Program of The Personnel and Secretarial (PK) Department

1. Inventory

    Inventory is a periodic activity every 2 months to record, count, and re-record items in the HIMANIKA FT UNY Secretariat to find out the number of items in the secretariat so as to facilitate the performance of the HIMANIKA FT UNY administrators.

2. Restructuring

    Restructuring is a process to increase organizational energy and performance by changing the management of resources such as labor, tools, materials, and human resources. The goal is to ensure efficiency and effectiveness in all aspects of the organization. In addition, in this activity also collected all the photos of the management for HIMANIKA.

3. Management Upgrading

    Management Upgrading is an activity carried out to increase the sense of kinship and solidarity between fellow HIMANIKA FT UNY administrators, as well as to renew the spirit and cohesiveness between HIMANIKA FT UNY administrators.

4. Management Development

    Management Development is a crucial aspect for the smooth running and sustainability of HIMANIKA FT UNY. With the spirit of encouraging growth and strengthening capacity, this activity is an important foundation for the management in carrying out their responsibilities. In the dynamics of a growing organization, board coaching is a long-term investment to create a conducive environment for self-development and active involvement.

Work Program of The Media Information Department (MEDINFO)

1. Online Information Media Management

    Creating content in the form of the latest information about the Electronics and Informatics engineering education department on managed social media.

2. Certification

    Making certificates from each HIMANIKA program for the committee and activity participants, and also the final certificate of management for all HIMANIKA members.

Organizational Network Department Work Program (JO)

1. Industry Visit

    Industrial Visit is a Work Program of the Organizational Network Department carried out by DPTEI students in semester 3. This activity aims to introduce DPTEI students to the industrial world and provide an overview and understanding of the industrial world.

2. Graduation

Wisudaria and POM is an agenda that accommodates department residents in the field of supporting and welcoming graduates.

3. Bureaucracy Talk

Bureaucratic Talk is a forum for active students of the Department of Electronics and Informatics Engineering Education FT UNY to convey aspirations, complaints, criticisms and suggestions as well as in the academic and non-academic fields to the ranks of the Bureaucracy of the Department of Electronics and Informatics Engineering Education FT UNY. As well as a forum for the Bureaucracy of the Department of Electronics and Informatics Engineering Education FT UNY to convey activity plans to students.

4. National Forkom

The National Communication Forum (FORKOM) is a forum for sharing, arguing, and working together to achieve a goal between associations in the same field.

5. Comparative Study

Activities carried out with the aim of adding insight and knowledge that will be applied in the future to be better within the scope of the FT UNY Student Association, UNY, or outside UNY to find out the management of other ORMAWA and can take the positive side of other ORMAWA.

PJEI Semi-Autonomous Body (BSO) Work Program

1. PJEIkustik

BSO PJEI work program which is tasked with preparing, maintaining, and controlling equipment in the form of a sound system and musical equipment used at a music concert event during HIMANIKAFEST.

2. Financial report

It is a BSO PJEI work program to report finances ranging from income and expenses to the HIMANIKA treasurer once a month during the management period.

3. Inventory

Is a BSO PJEI work program to record, maintain, and upgrade items owned by BSO PJEI.

4. Service

BSO PJEI work program to provide services in the form of service and repair of equipment related to electronics and informatics.

5. Rental

BSO PJEI work program that focuses on managing and supervising the rental of goods owned by BSO PJEI.

B. Activities and Organizations at the Faculty Level

Student activities and organizations at the Faculty of Engineering UNY include the Student Advisory Council (DPM) and the FT UNY Student Executive Board.

Regarding students' interests and talents, there are several student activity units (UKM):

1. UKMF Fenomena: engaged in coverage for students of the Faculty of Engineering
2. UKMf KMM: engaged in the spirituality of Muslim students
3. UKMF Matriks: engaged in research and written works
4. UKMF UNYtech: engaged in multimedia and broadcasting.
5. UKMF Carnival: engaged in arts and culture
6. UKMF Sports: engaged in sports.

The secretariat of the above organizations is located in the PKM building of FT UNY.

C. Activities and Organizations in University Level

Student Executive Board – Student Republic (BEM REMA), Student Representative Council (DPM), as well as Student Consultative Assembly (MPM) are students organization in Universitas Negeri Yogyakarta level. Besides that, to accommodate interest, talent, and student's achievement coaching, there are some Students Activity Unit (UKM) in university level that can be categorized based on these scopes.

Reasoning Field

To respond the science and technology development, UNY does special strategy to accommodate as well as develop all the students' potential and interestin science and technology field. Activities in reasoning field in UNY covers some UKM, which are:

1. UKM Research
2. UKM Student Press Institute "Ekspresi"
3. UKM Radio "Magenta FM"
4. UKM Foreign Language
5. UKM Technology Engineering

Art Field

Students' creativity and potential in art field are done by UNY through several UKM which are:

1. UKM Student Family of Tradition Art (Kamasetra)
2. UKM Student Choir (PSM) "Swara Wadhana"
3. UKM Music "Sicma"
4. UKM Fine Arts and Photography (Serufo)
5. UKM Literature and Theater Study Unit (Unstrat)

Sports Field

Sport ability development for students has purposes to maintain fitness and students' health as well as support UNY students achievement in sports field. Sports activities are coordinated in several UKM, which are:

1. UKM Gymnastics
2. UKM Chess

3. UKM Swimming
4. UKM Archery
5. UKM Hockey
6. UKM Table Tennis
7. UKM Field Tennis
8. UKM Judo
9. UKM Pencak Silat
10. UKM Karate
11. UKM Tae Kwon Do
12. UKM Nature Devotee Madawirna
13. UKM Volleyball
14. UKM Basketball
15. UKM Sepak Takraw
16. UKM Football
17. UKM Baseball-Softball
18. UKM Marching Band Citra Derap Bahana
19. UKM Badminton

Welfare Sector and Special Interest
Students coaching in this field is a mode to develop students welface both physically and spiritually, as well as special interest that the students have.
1. UKM Islamic Spiritual Activity Unit(UKKI)
2. UKM Christian Student Fellowship (PMK)
3. UKM Catholic Student Family Association (IKMK)
4. UKM Hindu Dharma Student Family (KMHD)
5. UKM Racana WR. Supratman and Racan Fatmawati Scout
6. UKM Indonesian Red Cross Volunteer Corps (KSR-PMI)
7. UKM Student Regiment (Menwa) "Pasopati"
8. UKM Student Union "Kopma UNY"
9. UKM Entrepreneurship (KWU)

D. Cross-University Activities and Organizations

There are two cross-university electronics and informatics student organizations that can be a forum for students to expand relationships and experience, including:

- FKHMEI (Communication Forum of Indonesian Electrical Student Association)
  Holding national communication between electrical students in Indonesia, one of which HIMANIKA is incorporated because it involves students majoring in Electronics.
- PERMIKOMNAS (National Informatics and Computer Student Association)
  Holding national communication between informatics and computer students in Indonesia, and HIMANIKA itself is incorporated into it because it involves students majoring in Informatics.

V. Supporting Facility

Supporting facilities can be accessed/ used by students of Department of Electronics and Informatics Engineering Education Progam UNY as the effective provisions which are.

A. Library

UPT Library Yogyakarta State University provides some kind of services for UNY academic community as well as public out of UNY. UNY library public catalog can be accessed online by this website http://library.uny.ac.id/sirkulasi/, while direct access can be done in a library building which is located about 500 meters in the south of Department of Electronics and Informatics Engineering Education Progam UNY. UNY Library also has subscribed to some journal both national and international, such as JSTOR, SPRINGER LINK, EBSCO, PROQUEST, and others, that can be accessed by the internal network only for UNY academic community (http://sso.uny.ac.id).

Moreover, UNY also has Repository Internal that contains scientific paper, bachelor degree thesis, thesis, dissertation, research, and journal that are from UNY academic community that can be accessed by this website http://e.library.uny.ac.id/. For bachelor degree thesis, thesis, and dissertation, the full script access can only be done in library building.

Library service for Department of Electronics and Informatics Engineering Education Progam UNY academic community is also provided by Faculty of Engineering library which is located in the 1st floor LPTK Building Faculty of Engineering UNY. All the students of Faculty Engineering UNY especially Department of Electronics and Informatics Engineering Education can be the library member automatically. Information about catalog and library services are provided in http://library.ft.uny.ac.id/.

B. Sport Facility

Universitas Negeri Yogyakarta (UNY) Blocks in Karangmalang has some sports facilities that are complete enough and can be used by the students as the provisions, such as:
1. Swimming pool
2. Sportsmart/sport equipment shop
3. Sports dormitory
4. Tennis Indoor field
5. Archery field
6. Basketball field
7. Public Sport Garden
8. Soccer field and athletics

9. Fitness Center

C. Prayer Facility

UNY Mujahidin Mosque area is 1.920 m2 and capable of accommodating up to 3.500 pilgrims which is located exactly in the southwest of the Department of Electronics and Informatics Engineering Education/ Faculty of Engineering UNY campus. The mosque that has been renovated three times with early architecture like Nabawi Mosque becomes the Muslim academic community praying center in Department of Electronics and Informatics Engineering Education. Besides that, there is an Al-Musthofa prayer room inside the Faculty of Engineering block.

Prayer places for other religions are easy to find around the UNY Campus, such as Bintang Samudera Chapel in Sagan, St. Yohanes Rasul Church in Pringwulung, Gereja Kristen Indonesia (GKI) Gejayan, Jagatnatha Sorowajan Temple, Klenteng Poncowinatan, and others.

D. Student and Multicultural Center (SMC)

UNY Student and Multicultural Center (SMC) building is the UNY student's activity center that gives freedom for creativity and interaction to each other. Besides the rooms for students affair organizations at university levels such as BEM and UKM, this three-floor building is also provided by meeting hall and broad lobby. This facility is located 500 meters in the southwest of Department of Electronics and Informatics Engineering Education/ Faculty of Engineering UNY.

E. Banking Facility

Some banks have branch offices/ cash in UNY campus which are Bank BPD DIY and bank BNI, both of them are in Gejayan street (about 700 meters in the southeast of Department of Electronics and Informatics Engineering Education/ Faculty of Engineering UNY). Moreover, there are Automatic Teller Machines (ATM) in surrounding Department of Electronics and Informatics Engineering Education/ Faculty of Engineering UNY, which is Mini Market Kopma UNY and Plaza UNY.

F. Foods and Everyday Needs

Mini Market Koperasi KOPMA UNY Union provides some students' needs start from stationary, everyday tools and equipment, snacks, drinks, as well as a photocopy. It is placed 350 meters in southwest of Department of Electronics and Informatics Engineering Education/ Faculty of Engineering UNY.

Food Court UNY is the snacks and food center that are organized beautifully, complete with leafy tree, ornamental plant, joglo building, and a number of gazebos. It is very comfortable to be used to eat some food or casual conversation.

It is placed in the south of Department of Electronics and Informatics Engineering Education/ Faculty of Engineering UNY.

Garden Café UNY is a foods and beverages stall that is very suitable to be a discussion and gathering place for students, as well as provided with hot spot area, LCD, Projector, and cable TV. It is placed 350 meters in the southwest of Department of Electronics and Informatics Engineering Education/ Faculty of Engineering UNY.

Plaza UNY is a four-floor building that is located in the southeast of Department of Electronics and Informatics Engineering Education/ Faculty of Engineering UNY. Plaza UNY consists of mini-mart, clothes, electronic repair, and reflexology service.

G. Accommodation

UNY Hotel is located inside the campus area, exactly beside MIPA UNY Faculty. This hotel offers comfort, cleanliness, friendliness, and a strong academic feel. As for the students who come from outside the region, the public around UNY (which are Karangmalang, Kuningan, Santren, Karangasem, Deresan, Mrican, Klebengan, and Samirono) provides boarding house with some facilities and prices.

H. Health Facility

UNY Health Facility (HF) is a technical implementation unit that has job giving health service for students, lecturers, and educational staff in the UNY environment. Some services provided are medical examination, medication, health consultation, simple laboratory examination (cholesterol, blood glucose, gout, pregnancy tests, blood type tests), examination for pregnant women, service for First Aid to any big scale event, public service, as well as health education by calling the phone number 0274-586168 ext. 1324.

Besides the health facility, UNY also has physical therapy clinic which is located in the west of GOR UNY. The physical therapy clinic handles any kind of injuries, sprains/ twisted, aches, and so on. This clinic opens at 09.00 to 17.00 WIB and is served by professional therapist.

The students who need emergency and inpatient services, there are some hospitals around UNY, which are:
1. RSUP Dr. Sardjito, Kesehatan street 1, Sendowo, Yogyakarta (± 2,5 km from FT UNY).
2. RS Panti Rapih, Cik Di Tiro street 30, Yogyakarta (± 1 km from FT UNY).
3. Jogjakarta International Hospital (JIH), Pajajaran/North Ring Road street 160 (± 4 km from FT UNY).
4. RS Siloam Yogyakarta, Urip Sumoharjo street (± 1,5 km from FT UNY).
5. RS Specialized Surgical An-Nur, Colombo street (± 500 m from FT UNY).

6. RS Mata Dr. Yap, Cik Di Tiro street 5 (± 1,5 km from kampus UNY).

I. Counseling Guidance, Career, and Law

Counseling guidance and psychological well-being services for UNY academic community are provided by the Guidance and Counseling Services Technical Implementation Unit (UPT LBK), placed in Karangmalang Yogyakarta, phone 0274-589536, 386168 Psw. 314. This service is also able to be accessed online by http://upt-lbk.uny.ac.id. Face to face service is given every Monday to Friday at 09.00-13.00 WIB or outside the provided time can use appointment time. The students can get counseling services (except psychology tests) for free.

Career development, including employment, career guidance, and consultation, as well as tracer study, are provided by UNY Career Development Center/ CDC through http://ppk.lppmp.uny.ac.id. Besides that, CDC UNY also conducts Job Fair twice in a year, followed by dozens of companies.

UNY also has UPT Law Consultation and Help that can be contacted by phone number 0274-586168 Psw. 420 or 0274 545097. Profile, as well as further information about this service, can be accessed at http://lkbh.uny.ac.id.

J. Book Store

UNY Press publication books can be bought in UNY Book Store, 3rd Floor Plaza UNY building Colombo street. As for the general publication books can be obtained in some book shops around UNY, such as Social Agency, Toga Mas, and Gramedia. A cheap book market, that sells new or used books at negotiable price, can be found in sector Terban (Kahar Muzakir Street) and Taman Pintar Yogyakarta (Sriwedani Street).

VISION UNY

Becomes the educational university, based on faith, independence, and intelligence in 2025

MISSIONS UNY:

1. *Perform academic education and profession in the educational field that are excellent, creative, and innovative to produce a pious, independent, and intelligent person.*
2. *Perform academic education, profession, and vocation in the non- educational fields that are excellent, creative, and innovative to produce a pious, independent, and intelligent person.*
3. *Perform a research program to find, develop, and spread widely the knowledge, technology, art and/or sport, which gives prosperity for individual and public, and support the regional and national development, as well as contribute in giving a solution for regional and global problems creatively and innovatively based on faith, independence, and intelligence.*
4. *Perform public service and empowerment that encourages people's potential development, public and nature to create public prosperity based on faith independence, and intelligence.*
5. *Perform governance and services that are good, clean, and prestigious in university autonomy enforcement to actualize excellent, creative, and innovative university, based on faith, independence, and intelligence.*
6. *Create a process and learning environment that capable of empowering the students creatively and innovatively to do the long last learning based on faith, independence, and intelligence.*
7. *Develop cooperation with other institution, both national and international, creatively and innovatively to increase the quality of tridharma enforcement by the principles of equality and beneficial for each other based on faith, independence, and intelligence.*

STUDENT HANDBOOK

INFORMATION TECHNOLOGY STUDY PROGRAM

DEPARTMENT OF ELECTRONICS AND INFORMATICS ENGINEERING EDUCATION

FACULTY OF ENGINEERING
UNIVERSITAS NEGERI YOGYAKARTA
2024